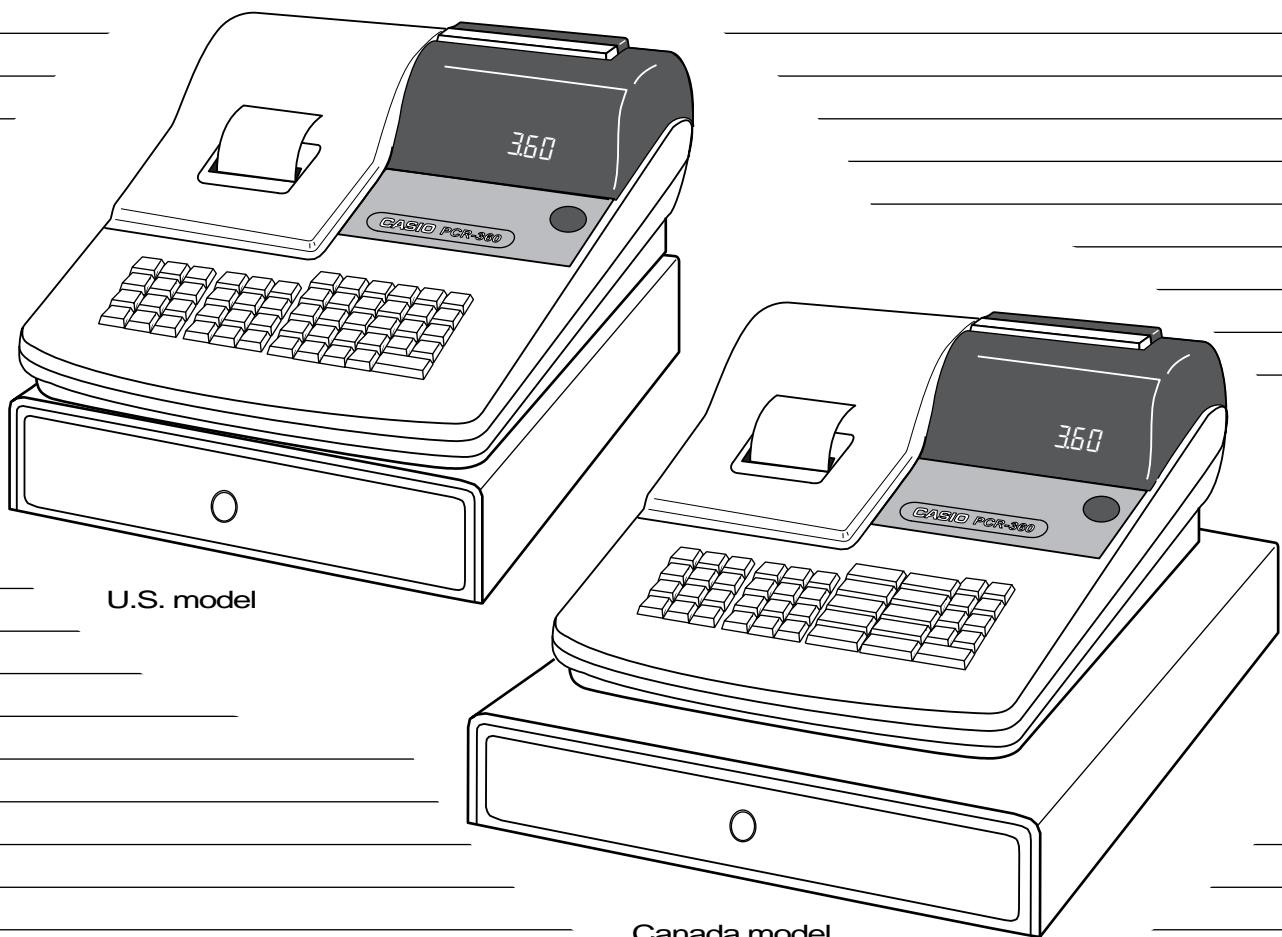


ELECTRONIC CASH REGISTER

PCR-360

OPERATOR'S INSTRUCTION MANUAL



Introduction

Welcome to the CASIO PCR-360!

Congratulations upon your selection of a CASIO Personal Cash Register, which is designed to provide years of reliable operation.

Operation of a CASIO cash register is simple enough to be mastered without special training. Everything you need to know is included in this manual, so keep it on hand for reference.

Consult your CASIO dealer if you have any questions about points not specifically covered in this manual.

CASIO AUTHORIZED SERVICE CENTER

If your Casio product needs repair, or you wish to purchase replacement parts, please call 1-800-YO-CASIO for the authorized service center nearest your home.

If for any reason this product is to be returned to the store where purchased, it must be packed in the original carton/package.

If you need programming assistance, please call 1-800-638-9228.

In Canada, Call 1-800-661-2274.

Thank you.

GUIDELINES LAID DOWN BY FCC RULES FOR USE OF THE UNIT IN THE U.S.A. (Not applicable to other areas)

WARNING: This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of the FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment.

Operation of this equipment in a residential area is likely to cause interference in which case the user at his/her own expense will be required to take whatever measures may be required to correct the interference.

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus as set out in the Radio Interference Regulations of the Canadian Department of Communications.

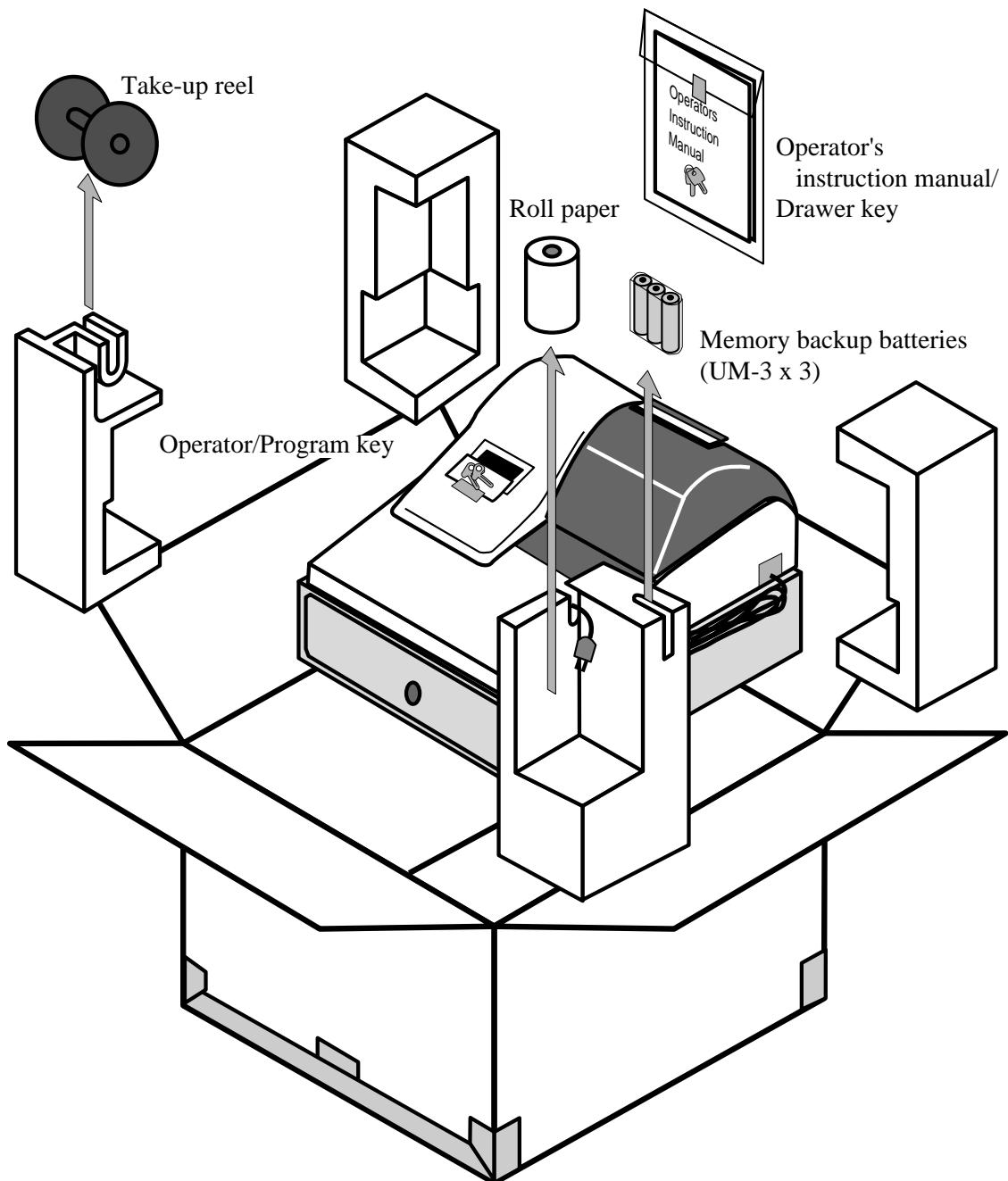
The main plug on this equipment must be used to disconnect mains power.
Please ensure that the socket outlet is installed near the equipment and shall be easily accessible.

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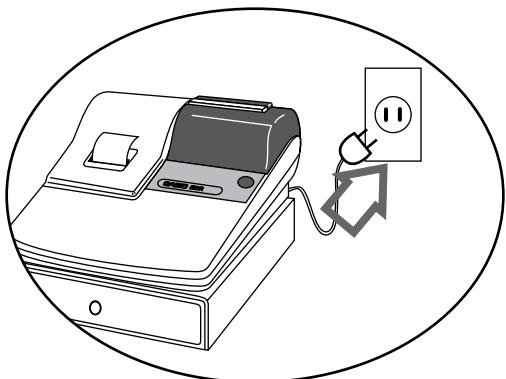
Unpacking the register



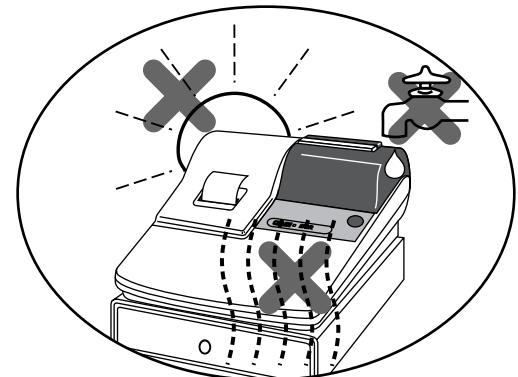
Important!

Before you do anything, be sure to note the following important precautions!

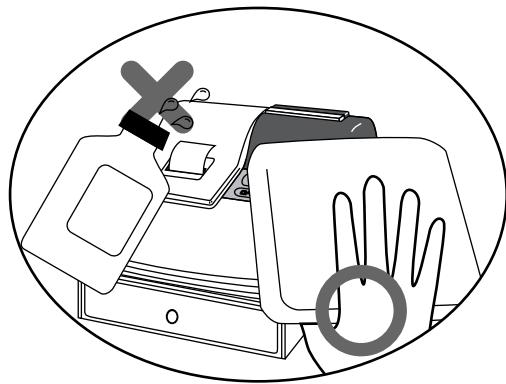
Do not locate the cash register where it will be subjected to direct sunlight, very high humidity, splashing with water or other liquids, or high temperature (such as near a heater).



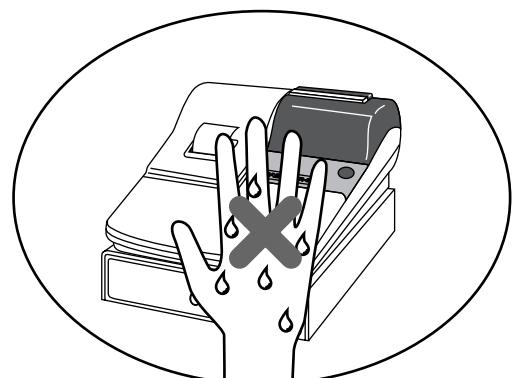
Be sure to check the sticker on the side of the cash register to make sure that its voltage matches that of the power supply in the area.



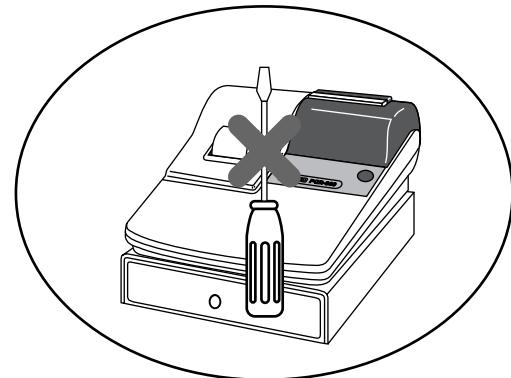
Never operate the cash register while your hands are wet.



Use a soft, dry cloth to clean the exterior of the cash register. Never use benzene, thinner, or any other volatile agent.



Never try to open the cash register or attempt your own repairs. Take the cash register to your authorized CASIO dealer for repairs.

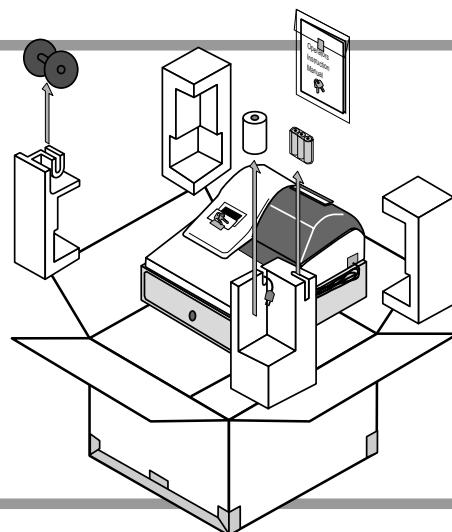


Getting Started

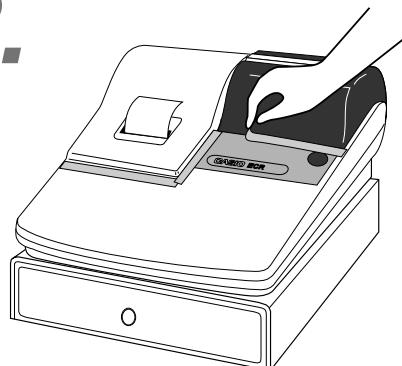
This section outlines how to unpack the cash register and get it ready to operate. You should read this part of the manual even if you have used a cash register before. The following is the basic set up procedure, along with page references where you should look for more details.

1.

Remove the cash register from its box,
making sure that all of the parts and accessories
are included.



2.

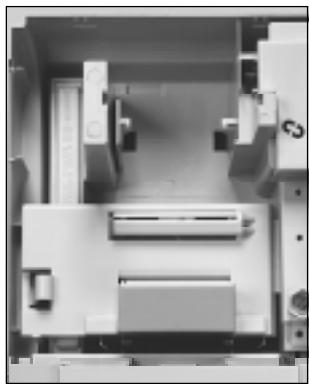


Remove the tape holding parts of the cash register in place.

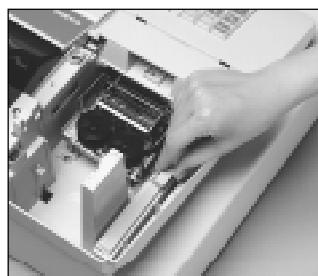
Also remove the small plastic bag taped to the printer cover. Inside you will find the mode keys.

3.

Install the three memory backup batteries.

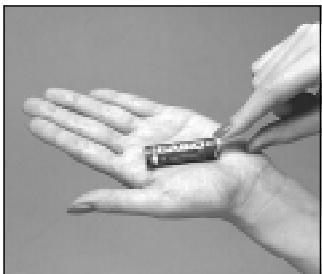


1. Remove the printer cover and inner cover.



2. Remove the battery compartment cover. Pressing down where the cover is marked " " and put it up.

3. Install the three memory backup batteries. (continued...)



3. Note the (+) and (-) markings in the battery compartment. Load a set of three new SUM-3 (UM-3) batteries so that their positive (+) and negative (-) ends are facing as indicated by the marking.



4. Replace the battery compartment cover .



5. Replace the inner cover printer cover .

Important!

These batteries protected information stored in your cash register's memory when there is a power failure or when you unplug the cash register . Be sure to install these batteries.

Precaution!

Incorrectly using batteries can cause them to burst or leak, possibly damaging the interior of the cash register. Note the followings.

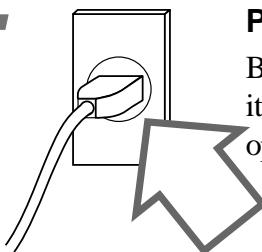
- Be sure that the positive (+) and negative (-) ends sides of the batteries are facing as marked in the battery compartment when you load them into the unit.
- Never mix batteries of different types.
- Never mix old batteries with new ones.
- Never leave dead batteries in the battery compartment.
- Remove the batteries if you do not plan to use the cash register for long periods.
- Replace the batteries at least once every two years, no matter how much the cash register is used during the period.

WARNING!

- Never try to recharge the batteries supplied with the unit.
- Do not expose batteries to direct heat, let them become shorted or try to take them apart. Keep batteries out of the reach of small children. If your child should swallow a battery, consult a physician immediately.

Getting Started

4.

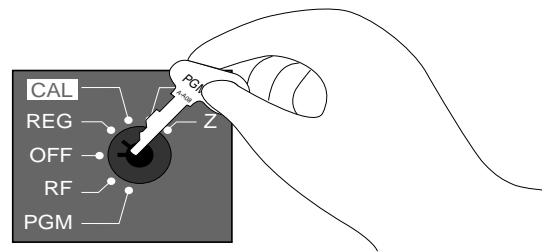
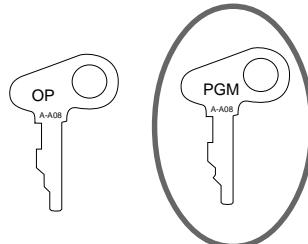


Plug the cash register into a wall outlet.

Be sure to check the sticker on the side of the cash register to make sure that its voltage matches that of the power supply in your area. The printer will operate for a few seconds.

5.

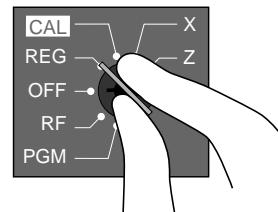
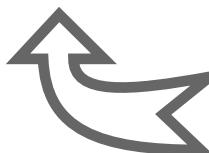
Insert the mode key marked "PGM" into the Mode Switch.



6.

Turn the mode key to the "REG" position.

The display should change to the following.



7.

Install receipt/journal paper

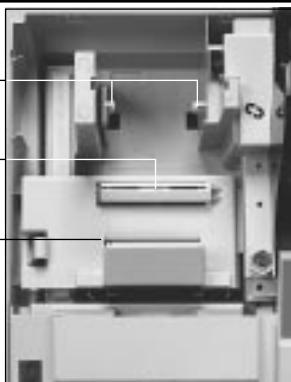
Important!

**Never operate the cash register without paper.
It can damage the printer.**

7. Install receipt/journal paper (continued...)

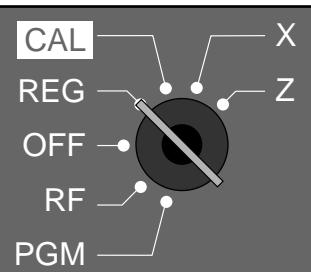
To load 1-ply paper for printing of receipts

Roll paper spindle



Paper separator

Paper inlet



1

Use a mode key to set the mode switch to REG position



2

Remove the printer cover



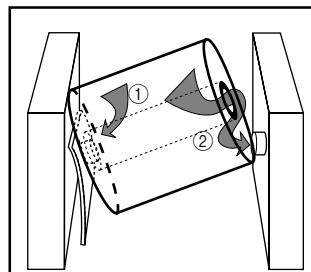
3

Cut off the leading end of the paper so it is even.



4

Ensuring the paper is being fed from the bottom of the roll, lower the roll into the space behind the printer.



5

Work the paper roll gently between the two spindles so that they slip into the center hubs of the roll.



6

Pass paper over silver plate.



7

Press the **FEED** key until about 20 cm or 30 cm of paper is fed from the printer.



8

Replace the printer cover, passing the leading end of the paper through the cutter slot. Tear off the excess paper.

7

■ Install receipt/journal paper (continued...)

To load 1-ply paper for printing of journal

Follow steps ① through ⑦ under "To load 1-ply paper for printing receipts" on the previous page.



⑧

Remove the flat side plate of the take-up reel.



⑫

Press the **FEED** key to take up any slack in the paper.



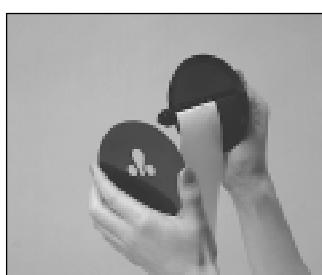
⑨

Slide the leading end of the paper into the groove on the spindle of the take-up reel and wind it onto the reel two or three turns.



⑬

Replace the printer cover.



⑩

Replace the flat side plate of the take-up reel.



⑪

Place the take-up reel into place behind the printer, above the roll paper.

7. Install receipt/journal paper (continued...)

To load 2-ply paper for printing of receipts

Follow steps ① through ⑤ under "To load 1-ply paper for printing of receipts" above.



⑥

Separate the two sheets of the paper. Pass the outer sheet under the separator.



⑨

Press the **FEED** key until about 20 cm or 30 cm of paper is fed from the printer.



⑦

Pass the inner sheet over the separator.

⑩

Insert the leading end of the inner sheet (which will be your journal) into the take-up reel, as described starting from step ② under "To load 1-ply paper for printing of a journal."



⑧

Join the ends of the paper again and insert them into the paper inlet.

⑪

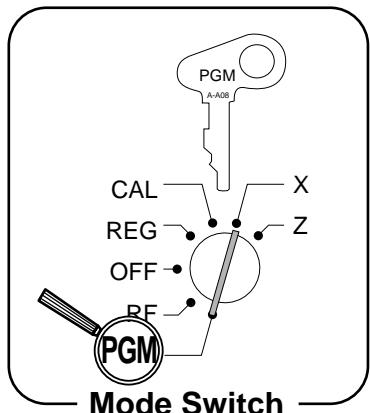
Replace the printer cover, passing the leading end of the outer sheet through the cutter slot. Tear off the excess paper.



Pass paper over silver plate.

Getting Started

8. Set the date.

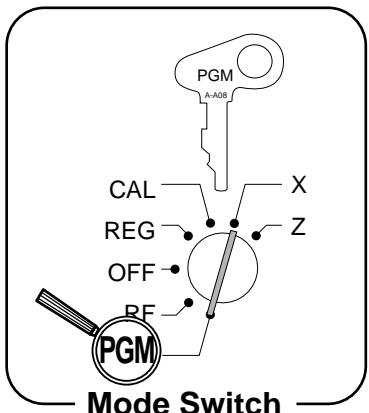


→ 1 → Current Date → →

Example:

December 6, 1996 ⇒

9. Set the time.



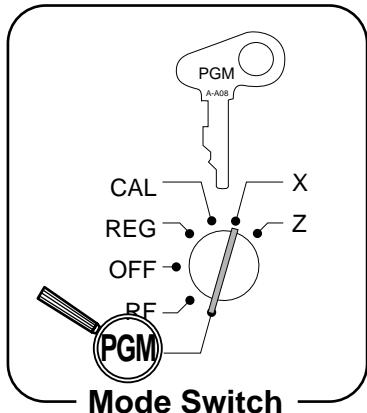
→ 1 → Current Time → →

Example:

09:05 AM ⇒

09:20 PM ⇒

10. Select printouts receipt or journal



→ 1 → RECEIPT () / JOURNAL () → →

Note:

Be sure to select "0" (Receipts) when you use 2-ply paper.

11. Tax table programming

Programming automatic tax calculation

Important!

After you program the tax calculations, you also have to individually specify which departments (page 34) and PLUs (page 36) are to be taxed.

For this cash register to be able to automatically register state sales tax, you must program its tax tables with tax calculation data from the tax table for your state. There are two tax tables (U.S.) and three tax tables (Canada) that you can program for automatic calculation of two separate sales taxes.

Programming for the U.S. Tax Tables Procedure

Find your state in the tables (page 16 ~ 19) and input the data shown in the table.

State sales tax calculation data tables for all of the states that make up the United States are included on the following pages. This data is current as of October 30, 1994. *

*Some data are revised after Oct.30,1994.

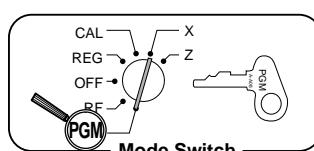
Important!

Be sure you use the state sales tax data specifically for your state. Even if your state uses the same tax rate percentage as another state, inputting the wrong data will cause incorrect result.

Programming procedure

Example 1 (Alabama 6% sales tax to Tax Table 1)

ALABAMA							
4%	5%	6%	6%	(4+1+1)	6%	7%	8%
0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1
10	10	10	8	9	10	7	6
50	29	24	20	20	21	18	
54	49	44	40	36	35	31	
73	69	58	55	54	49	43	
110	89	70	70	64	56		
110	109	90	85	78	68		
	109	110	107	93			
							106



Assign Tax Table 1

- 0
- 1
- 1
- 8
- 24
- 41
- 58

Terminate program

→ 0 1 2 5 SUB TOTAL

→ 0 CA/AMT =/TEND

→ 1 CA/AMT =/TEND

→ 1 CA/AMT =/TEND

→ 8 CA/AMT =/TEND

→ 2 4 CA/AMT =/TEND

→ 4 1 CA/AMT =/TEND

→ 5 8 CA/AMT =/TEND

→ SUB TOTAL

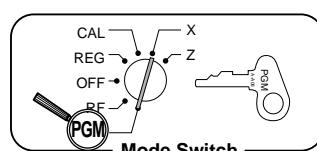
Example 2 (Colorado 5.25% sales tax to Tax Table 2)

COLORADO							
4.5%	5%	5%	5.25%	5.5%			
0	311	0	0	5.25	0	192	
1	233	1	1	5002	1	190	
5	255	2	1		6	209	
17	277	17	18		17	227	
33	299	29	18		35		
55	49	51			45	263	
77		68			63	281	
99		84			81	299	
122		118			99		
144					136		
166					154		
188							

Assign Tax Table 2

- 5.25
- 5002

Terminate program



→ 0 2 2 5 SUB TOTAL

→ 5 CA/AMT =/TEND

→ 5 0 0 2 CA/AMT =/TEND

→ SUB TOTAL

Getting Started

U.S. TAX TABLES

A

ALABAMA							
4%	5%	6%	6%	6% (4+1+1)	7%	8%	
0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1
10	10	8	9	10	7	6	
30	29	24	20	20	21	18	
54	49	41	40	36	35	31	
73	69	58	55	54	49	43	
110	89	70	70	64	56		
110		90	85	78	68		
		109	110	92	81		
				107	93		
					106		

ALASKA							
KENAI	HOMER/ SELDOMIA		HAINES	JUNEAU	KENAI	KENALSEWARD & SOLDOMA	
2%	3%	3%	4%	4%	5%	5%	
0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1
25	34	25	19	12	13	09	
75	49	34	37	37	25	29	
	83	75	62		46	49	
	116	127			75	69	
	150	155			79	89	
	183	177			118	109	
	216	227			127		
					151		

ALASKA		
HOMER 5.5%		
6%		
0	145	345
1	163	363
1	181	381
8	208	408
27	227	49
45	245	69
63	263	89
81	281	109
99	299	109
108	308	129
127	327	159

ARIZONA							
4%	5%	6%	6.5%	6.7%	6.8%	7%	
0	0	0	175	0	161	0	
1	1	1	191	1	176	1	
1	5	9	7	192	7	186	
37	27	22	23	223	21	216	
	47	39	38	238	37	231	
	68	56	53	253	52	246	
	89	73	69	269	67	261	
	109	90	84	284	82	276	
	107	99	99	299	97	291	
	125	115	111	111	109	300	
	141	130	126	124	124	315	
	158	146	141	139	139	330	

ARKANSAS							
3%	4%	5%	6%	6.8%	7%	7.5%	
0	0	0	0	0	0	0	
1	1	1	1	1	1	1	
1	1	1	1	1	1	2	
14	12	10	8	6	7	6	
44	37	20	24	19	21	19	
74	40	41	33	35	33		
114	60	58	46	49	46		
	80				64		
	110				78		
					92		
					107		

CALIFORNIA

6%	6.25%	6.5%	6.75%	7%	7.25%	7.25%	7.5%	7.75%	8.25%	8.5%	LOS ANGELES 10% Parking
0	141	0	130	299	6.75	0	121	278	7.25	117	0
1	158	1	146	5002	1	135	292	5002	1	5002	0
7	7	161	0	8	149	307	0	3	6	209	1
10	10	10	176	10	10	164	10	6	5	204	8
22	21	20	192	20	20	178	20	19	17	197	9
39	37	35	207	34	33	192	32	33	29	158	99
56	54	51	223	48	47	207	46	46	41	170	99
73	70	67	238	64	62	221	60	59	52	182	99
90	86	83	253	80	76	235	74	73	64	194	99
108	103	99	269	96	91	249	88	88	76	205	99
124	119	115	284	111	107	264	103	103	88	99	

COLORADO

1.5%	2%	2.5%	3%	3.5%	3.6%	3.85%	4%	4.5%	5%	5.25%	5.5%	5.6%	5.75%	6%	6.1%	6.35%	6.4%	
0	0	0	0	0	0	264	0	0	0	5.25	0	172	0	168	0	165	6.35	6.4
1	1	1	1	1	1	291	1	1	1	5002	1	190	1	186	1	182	5002	5002
1	1	1	1	3	2	319	2	2	5	255	2	1	6	209	7	204	2	0
33	24	19	17	17	17	347	16	17	17	277	17	18	17	227	16	222	17	217
99	74	59	49	42	41	375	37	37	33	299	29	18	27	245	25	240	26	24
166	83	71	69	63	62	55	49	51	49	51	45	45	46	263	43	43	41	
233	116	99	97			77				68	63	281	61	60	58			
	149	128	124			99				84	81	79	78	74				
	183	157	152			122				118	99	97	95					
	185	180				144				118	116	115	113					
	214	208				166				136	136	132	130					
	242	236				188				154	154	150	147					

COLORADO

6.45%	6.5%	6.6%	7%	7.01%	7.1%	7.2%	7.25%	7.3%	7.5%	8%
6.45	0	146	6.6	0	135	7.01	7.1	0	131	7.25
5002	1	161	5002	1	149	5002	1	145	5002	1
0	2	176	4	0	207	21	20	173	6	171
17	17	192	17	17	17	21	20	187	20	18
23	207	21	21			20	187	20	19	18
38	223	35	35			34	201	34	33	31
53	49	49	49			48	215	47	46	43
69	64	64	64			62	229	61	59	56
84	78	78	78			76	243	75	73	68
99	92	92	92			90	256	89	81	
115	107	107	107			104	102	93	93	160
130	121	121	121			118	116	106	106	124
	112	94	94			109	107	92	92	179

CONNECTICUT

5.25%	6%	7%	7.5%	8%
0	198	0	0	0
1	218	1	1	1
2		2	1	3
16	8	7	6	6
27	24	21	19	18
46	41	35	33	31
65	58	49	46	
84	74	64	59	
103	91	78	73	
122	108	92	92	
141	124	107	107	
160				
179				

D.C.	D.C.	D.C.	D.C.	D.C.	D.C.
5%	5.75%	6%	6%	8%	9%

<tbl_r cells="6" ix="

IDAHO										ILLINOIS										INDIANA									
3%	4%	4.5%	5%	1%	1.25%	2%	5%	6%	6.25%	6.5%	6.75%	7%	7.5%	7.75%	8%	8.75%	1%	4%	5%	5%	5%	6%							
0	0	0	0	0	0	0	0	0	0	0	161	6.75	0	0	7.75	0	8.75	0	0	0	0	0	0						
1	1	1	1	1	1	1	1	1	1	1	176	5002	1	1	5002	1	5002	1	1	1	1	1	1						
1	2	2	2	1	1	1	6	1	1	1	192	1	1	0	1	0	1	2	1	2	1	2	1						
15	11	15	11	49	39	24	12	8	7	7	207	8	6	6	6	5	1	15	9	15	9	15	9						
42	32	27	25	148	119	74	25	24	23	23	207	22	19	18	18	18	1	15	9	15	9	15	9						
72	57	49	45	71	46	41	38	36	33	31	50	46	50	46	50	46	1	15	9	15	9	15	9						
115	93	88	88	88	69	65	65	65	65	65	146	108	108	108	108	108	1	15	9	15	9	15	9						
115	115	109	109	109	84	79	79	79	79	79	146	146	146	146	146	146	1	15	9	15	9	15	9						
137	137	129	129	129	99	93	93	93	93	93	146	146	146	146	146	146	1	15	9	15	9	15	9						
160	160	130	130	130	115	108	108	108	108	108	146	146	146	146	146	146	1	15	9	15	9	15	9						
183	183	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	1	15	9	15	9	15	9						
205	205	146	146	146	146	146	146	146	146	146	146	146	146	146	146	146	1	15	9	15	9	15	9						

IOWA										KANSAS										LOUISIANA										MAINE		
4%	5%	6%	2.5%	3%	3.1%	3.25%	3.5%	3.75%	4%	4.1%	4.5%	4.9%	5%	5.25%	5.4%	5.5%	5.65%	5%	6%	7%	5%	6%	7%									
0	0	0	0	0	0	0	323	0	0	279	0	4.1	0	0	214	479	744	1010	0	5.25	0	194	435	0	190	5.65						
1	1	1	1	1	1	1	5002	1	353	1	306	1	5002	1	1	234	499	765	1	5002	1	212	453	1	209	5002						
3	1	1	1	1	1	0	1	384	1	1	333	1	0	1	255	520	785	1	1	231	472	1	0	0								
12	9	8	19	16	16	15	415	14	13	359	12	12	11	10	275	540	806	9	9	249	490	9	8	8								
37	29	24	59	49	46	42	39	386	37	33	30	295	561	826	29	27	268	509	27	20	287	45	20	268	509							
50	41	35	99	83	76	71	66	413	62	55	51	316	581	846	46	46	305	63	46	64	305	63	46	287	45							
75	58	48	139	116	107	99	93	87	77	77	71	336	602	867	120	120	361	118	120	138	379	136	120	361	118							
74	74	74	179	138	128	119	112	99	91	357	622	887	175	175	416	416	175	175	175	175	175	175	175	175	175							
91	91	91	169	157	146	122	112	377	642	642	602	887	101	101	342	342	99	99	99	99	99	99	99	99	99							
108	108	108	199	185	173	144	132	397	663	663	628	887	120	120	324	324	81	81	81	81	81	81	81	81	81							
124	124	124	230	199	166	153	418	683	683	683	683	887	120	120	324	324	81	81	81	81	81	81	81	81	81							
141	141	141	261	226	188	173	438	704	704	704	704	887	120	120	324	324	81	81	81	81	81	81	81	81	81							
158	158	158	292	253	211	193	459	724	724	724	724	887	120	120	324	324	81	81	81	81	81	81	81	81	81							

KANSAS										KENTUCKY										LOUISIANA										MAINE		
5.9%	6%	6.15%	6.4%	6.5%	9.5%	10%	5%	6%	2%	3%	4%	4.5%	5%	6%	6%	7%	7.5%	8%	9%	5%	6%	7%										
5.9	0	6.15	6.4	6.5	0	110	0	0	0	0	0	0	0	0	0	0	161	0	0	0	0	0	7									
5002	1	5002	5002	5002	1	121	1	1	1	1	1	1	1	1	1	1	176	1	1	1	1	1	2									
0	7	0	0	0	1	131	1	6	2	2	2	2	2	2	2	2	172	1	2	7	1	1	0									
8	8	8	7	7	7	142	4	10	8	24	24	24	24	24	24	24	207	7	6	4	5	10	9									
24	24	24	15	152	14	14	24	24	24	24	24	24	24	24	24	24	223	21	19	16	16	20	21									
41	41	41	26	163	24	24	46	46	46	46	46	46	46	46	46	46	238	35	33	29	27	40	33									
58	58	58	36	173	34	34	67	67	67	67	67	67	67	67	67	67	253	49	46	42	38	60	50									
74	74	74	47	184	44	44	88	88	88	88	88	88	88	88	88	88	269	64	59	55	49	80	66									
91	91	91	57	194	54	54	109	109	109	109	109	109	109	109	109	109	269	64	59	55	49	110	83									
108	108	108	68	68	64	64	129	129	129	129	129	129	129	129	129	129	269	64	59	55	49	109	92									
124	124	124	78	78	74	74	166	166	166	166	166	166	166	166	166	166	315	93	93	83	83	110	100									
141	141	141	89	89	84	84	188	188	188	188	188	188	188	188	188	188	330	106	106	94	94	111	105									
158	158	158	99	99	94	94	146	146	146	146	146	146	146	146	146	146	296	106	99	94	94	111	105									

Getting Started

N	NEW HAMPSHIRE				NEW JERSEY				NEW MEXICO														
	7%	Rooms & Meals	Rooms & Meals	7%	3%	3.5%	6%	7%	3.75%	4.25%	4.375%	4.5%	4.875%	5.175%	5.25%	5.375%	5.575%	5.75%					
					0	0	0	0	150	0	280	0	247	0	239	0	4.875	5.175	0	199	5.375	5.575	5.75
0	129	0	128	0	1	1	1	1	164	1	306	1	270	1	239	1	5002	5002	1	217	5002	5002	5002
1	143	1	142	1	1	1	1	1	178	6	333	1	294	4	1	1	1	1	11	9	28	47	66
8	158	8	157	4	17	14	10	10	192	13	359	11	317	11	11	11	11	11	9	28	47	66	85
14	172	35	171	35	41	42	22	21	207	40	35	341	34	33	33	33	33	33	33	28	47	66	85
26	186	35	185	35	71	71	38	35	117	67	58	364	57	55	55	55	55	55	55	47	66	85	104
39	201	38	200	35	117	100	56	50	93	82	388	79	78	78	78	78	78	78	78	66	85	104	123
51	50	37	50	50	128	72	64	120	105	411	102	100	100	100	100	100	100	100	100	100	100	100	100
63	62	50	62	62	157	88	78	146	129	125	122	122	122	122	122	122	122	122	122	122	122	122	122
75	74	92	185	110	185	110	92	173	152	148	144	144	144	144	144	144	144	144	144	144	144	144	144
88	87	107	214	214	214	200	176	176	199	199	194	189	189	189	189	189	189	189	189	189	189	189	189
101	100	121	121	121	121	121	121	121	253	223	217	211	211	211	211	211	211	211	211	211	211	211	211
115	114	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135

NEW MEXICO				NEW YORK												SUFFOLK County					
6.187%	6.1875%	4%	5%	5.25%	5.75%	6%	6.25%	6.5%	6.75%	7%	7.25%	7.5%	ERIE 8%	8%	8.25%	8.5%					
0	6.1875	0	0	5.25	5.75	0	141	0	130	6.75	0	121	7.25	0	113	0	105	0	106	8.25	8.5
1	5002	1	5002	5002	5002	1	158	1	146	5002	1	135	5002	1	126	1	119	1	118	5002	5002
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	8	5	6	5	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	5	6	7	7	7	1	161	8	149	10	164	10	164	10	164	10	164	10	164	10	164
40	12	10	10	10	10	7	176	10	164	10	164	10	164	10	164	10	164	10	164	10	164
56	33	27	22	22	22	23	192	20	178	18	178	18	178	18	178	18	178	18	178	18	178
72	58	47	38	38	38	38	207	33	192	31	192	31	192	31	192	31	192	31	192	31	192
88	83	67	56	54	53	47	207	47	207	45	207	45	207	45	207	45	207	45	207	45	207
104	112	87	72	70	69	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
120	137	109	88	86	84	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76
136	129	108	108	103	99	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91
153	166	124	124	119	115	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107	107

NORTH CAROLINA				NORTH DAKOTA								OHIO										
3%	4%	4.5%	5%	5%	6%	6%	6.5%	3%	4%	4%	5%	5.5%	6%	6.5%	7%	8%	3%	5.5%	5.75%	6%	6.25%	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1	1	1	211	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
4	5	6	233	6	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
9	9	9	255	8	10	8	8	8	15	15	15	15	15	15	15	15	15	15	15	15	15	
35	29	25	277	23	24	24	24	24	100	71	75	55	50	62	43	38	38	38	38	38	38	38
70	59	53	299	48	41	41	41	41	133	100	100	73	67	77	58	50	50	50	50	50	50	50
116	84	75	322	67	58	58	58	58	166	125	125	91	84	93	72	63	63	63	63	63	63	63
149	112	95	85	85	74	74	74	74	200	110	110	108	86	108	86	75	75	75	75	75	75	75
183	137	122	109	91	100	100	100	100	164	128	128	124	124	124	124	124	124	124	124	124	124	124
216	144	129	108	108	103	99	99	99	146	139	139	135	135	135	135	135	135	135	135	135	135	135

OHIO				OKLAHOMA								MEIGS Co.										
6.5%	7%	7%	7.75%	2%	3%	3.25%	4%	4.25%	4.5%	5%	5.25%	6%	6.25%	6.725%	7%	7.25%	7.375%	8%	8.25%	9.25%	10.25%	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1	123	0	115	0	115	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.75	7.75
1	138	1	128	1	128	5002	5002	5002	5002	5002	5002	5002	5002	5002	5002	5002	5002	5002	5002	5002	5002	5002
3	153	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
15	169	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
15	184	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
34	217	21	207	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
50	50	234	221	21	207	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
67	67	250	249	23	228	227	226	225	224	223	222	221	220	220	220	220	220	220	220	220	220	220
84	84	250	249	248	247	246	245	244	243	242	241	240	240	240	240	240	240	240	240	240	240	240
110	110	107	107																			

TEXAS																	HOUSTON (Harris County)																
4%		4%		4.125%		4.625%		5%		5.125%		5.25%		5.375%		5.5%		5.625%		6%		DALLAS		6%		6.125%		6.25%		6.25%		6.75%	
0	0	0	0	206	4,625	0	5,125	0	161	5,375	0	155	0	151	0	0	0	168	1	1	1	0	0	6,125	0	6,25	0	0	288				
1	1	1	1	230	5002	1	5002	1	180	5002	1	173	1	168	1	1	1	191	1	1	1	1	1	5002	1	5002	1	140	303				
1	1	1	1	254		1		12	199		1	191	1		1	1	1	191	1	1	1	1	1		1		3	155	318				
12	12	12	12	278		9		9	219		9	209	8		8	9	8	209	8	9	8	7	7		7		8	170	333				
37	37	36	36	303		29		28	238		27		26		24		25		24		25		24		23		22	185	348				
62	60	60	327		49		47		45		45		44		41		42		41		42		41		39		37	199	362				
87	84	84	351		69		66		63		62		58		59		58		58		59		55		55		51	215	377				
109	375				85			81		79			79			74			74			71		71		66	229	392					
133	399				104			99		97			97			91			91			87		87		81	244	407					
157	424				123			118		115			115			108			108			103		103		96	259	422					
181					142			137		133			133								119		119		111	274	437						

TEXAS

UTAH													
4.75%	5%	5.25%	5.375%	5.5%	5.75%	5.875%	6%	6.125%	6.25%	7%	7.25%		
0	221	0	0	199	0	0	190	5.75	5.875	0	6.125	0	0
1	242	1	1	219	1	1	209	5002	5002	1	5002	1	1
1	263	1	1	238	1	1		0	2	0	4	2	
10	284	9	9	257	9	9		8	8	8	7	7	
31	305	29	28	276	27	27			24		23	21	
52	326		47	295	46	45			41		27	35	
73	347		66	314	65	63			58		47	49	
94	368		85	333	83	81			74		63	64	
115	389		104	352	102	99						78	
136	410		123	371		118						92	
157			142	390		136						107	
178			161	409		154							
199				180		172							

VIRGINIA											
ROANOKE CITY		NORFOLK CITY			CITY OF RICHMOND						
VA BEACH		Meal tax			Food tax						
	8.5%		9%			9.5%			9.5%		
0	99	9	0	99	211	0	89	205	0	89	209
1	112	5002	1	99	233	1	99		1	99	
1	122		6	122	233	1	110		1	109	
11	137		11	122		5	121		9	122	
12	144		33	144		15	131		11	129	
33	162		44	144		26	142		29	144	
37	166		44	166		36	152		33	149	
55	187		55	166		47	163		49	166	
62	188		55	188		57	173		55	169	
77	211		77	188		68	184		69	188	
87			77	211		78	194		77	189	
				1				1			

WEST VIRGINIA					
2%	3%	4%	5%	6%	
0	0	0	0	0	
1	1	1	1	1	
2	2	1	2	2	
25	5	12	5	5	
50	35	37	20	16	
100	70	40		33	
	100			50	
	135			67	
				84	
				100	
				116	

WISCONSIN				
4%	5%	5.5%	5.6%	
0	0	0	190	0
1	1	1	209	1
1	1	1		1
12	10	9		8
37	21	27		26
	41	45		44
	61	63		62
	81	81		80
	110	99		98
		118		116
		136		133
		154		
		172		

WYOMING			
3%	4%	5%	6%
0	0	0	0
1	1	1	1
2	2	2	3
24	24	24	24
49	37	29	24
83	62	49	34
116		69	51
149		89	68
		109	84

Getting Started

11 ■ Tax table programming (continued...)

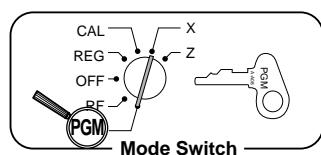
Programming Canadian Tax Tables Procedure

State sales tax calculation data tables for all of the states that make up all Canadian provinces are included on this page. This data is current as of October 30, 1994. Simply find your state or province in the tax tables and input the data shown in its table.

Programming Tax Table

Example 1: Federal tax: 7% (Add-on/Round-off)

MANITOBA/ SASKATCHEWAN	ONTARIO	N.B. & P.E.I.	QUEBEC
6%	7%	8%	9%
6	7	0	9
5002	5002	1	9002
		3	
		25	
		25	
		31	
		43	
		56	



Assign Tax Table 1

7
5002

Terminate program

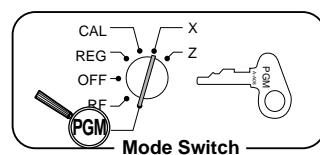
→ 0 1 2 5 SUB TOTAL

→ 7 CA/AMT = TEND

→ 5 0 0 2 CA/AMT = TEND

↓
SUB TOTAL

NOVA SCOTIA	ONTARIO	QUEBEC
10%	10%	10%
10	10	10



Assign Tax Table 2

(Table 3: 0 3 2 5)
10
5004

Terminate program

→ 0 2 2 5 SUB TOTAL

→ 1 0 CA/AMT = TEND

→ 5 0 0 4 CA/AMT = TEND

↓
SUB TOTAL

Tax table 1: Used for the federal taxable items.

Tax table 2: Used for the provincial taxable items.

Tax table 3: Used for the provincial taxable items for different tax table.

CANADA TAX TABLES

* Must be programmed into
Tax Table 2 or 3

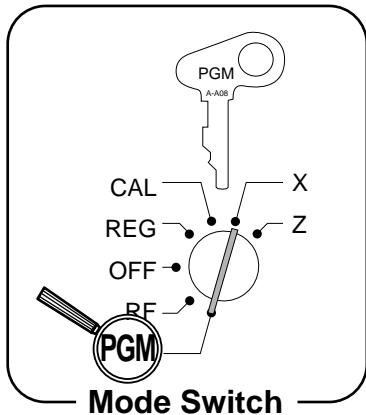
CANADA										
* NOVA SCOTIA	* ONTARIO	* QUEBEC	* NEWFOUNDLAND	* ONTARIO	* BRITISH COLUMBIA	* MANITOBA/ SASKATCHEWAN	ONTARIO	N.B. & P.E.I.	* QUEBEC	
10%	10%	10%	12%	12%	6%	6%	7%	8%	9%	
10	10	10	12	0	0	6	7	0	9	
5004	5004	5004	5004	1	1	5002	5002	1	9002	
				4	2			3		
				25	14			25		
				25	24			25		
				25	41			31		
				29	58			43		
				37	74			56		
				45						
				54						

Important!

Be sure you use the federal sales tax data with your provincial sales tax data. Even if your province use the same tax rate as another province, inputting the wrong data will result incorrect tax calculations.

12. Setting the store telephone number

(This step can be skipped.)



→ 3 **SUB TOTAL** → 0 1 3 2 **SUB TOTAL** → **Enter your store telephone number in 10 digits.** → **CA/AMT =/TEND** → **SUB TOTAL**

Example:
(123)456-7890 enter as "1234567890".

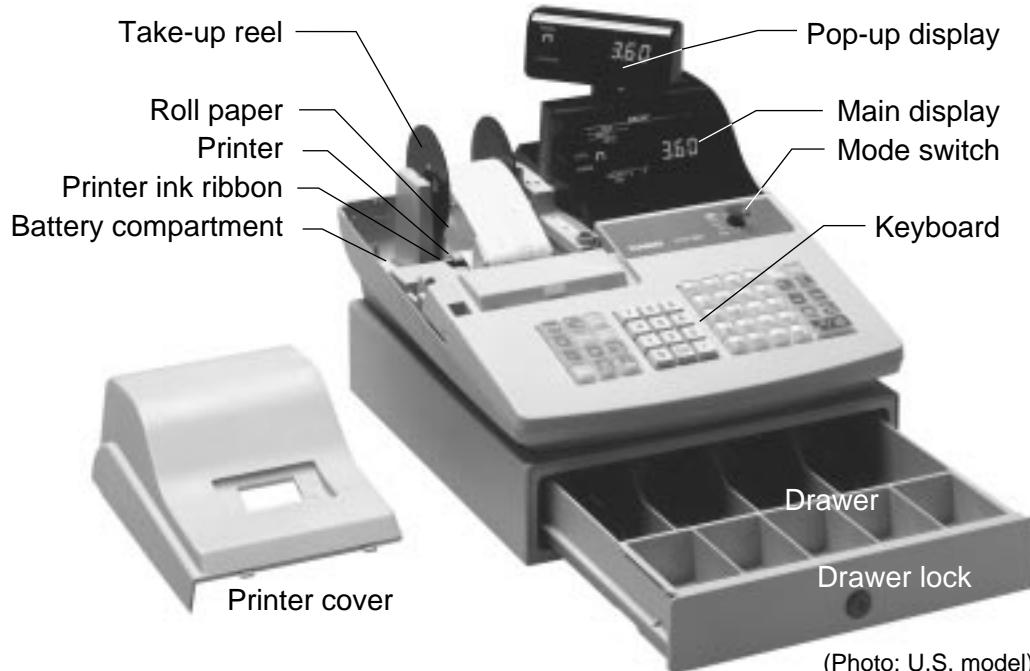
Receipt Sample

123 - 456 - 7890	Telephone number (Adds hyphens automatically.)
12 - 06 - 96 1 12 - 35 0025	
01 • 10 • 00 I 02 • 20 • 00 II 10 % - - 2 • 00 II • 10 • 00 I TA • 0 • 40 I TX • 18 • 00 II TA • 0 • 90 II TX	
• 29 • 30 TL • 50 • 00 CA AT • 20 • 70 CG 2 No	

Introducing the PCR-360

This part of the manual introduces you to the cash register and provides a general explanation of its various parts.

General guide



(Photo: U.S. model)

Battery compartment

Holds memory backup batteries. (page 8).

Roll paper

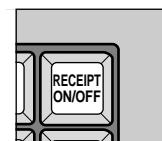
You can use the roll paper to print receipts and a journal (page 10~13).

Printer ink ribbon

Provides ink for printing of registration details on the roll paper (page 81).

Receipt On/Off key

When you are using the printer for receipt printer, you can use this key (in the REG and RF modes only) to turn the printer on and off. If a customer asks for a receipt while receipt printing is turned off by this key, you can issue a post-finalization receipt (page 55).

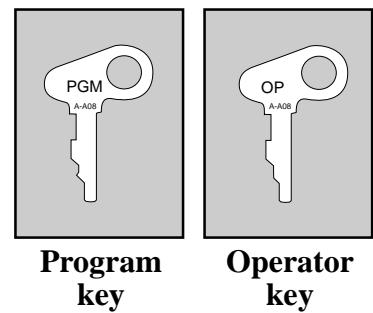


Note: Instead of the receipt on/off switch, receipt issuance is controlled by this key.

Mode key

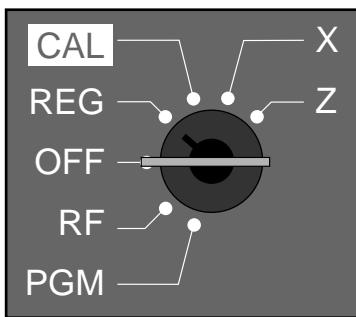
There are two types of mode keys: the program key (marked "PGM") and the operator key (marked "OP").

The program key can be used to set the mode switch to any position, while the operator key can select the **REG**, **CAL** and **OFF** position only .



Mode switch

Use the mode keys to change the position of the mode switch and select the mode you want to use.



Mode Switch	Mode Name	Description
Z	RESET	Reads sales data in memory and clears the data.
X	READ	Reads sales data in memory without clearing the data.
CAL	CALCULATOR	Use this mode for calculator.
REG	REGISTER	Use this mode for normal registration.
OFF	POWER OFF	Cash register power switched off.
RF	REFUND	Use this mode to register refund transactions.
PGM	PROGRAM	Use this mode for cash register programming.

Drawer

The drawer opens automatically whenever you finalize a registration and whenever you issue a **READ** or **RESET** report. The drawer will not open if it is locked with the drawer key .

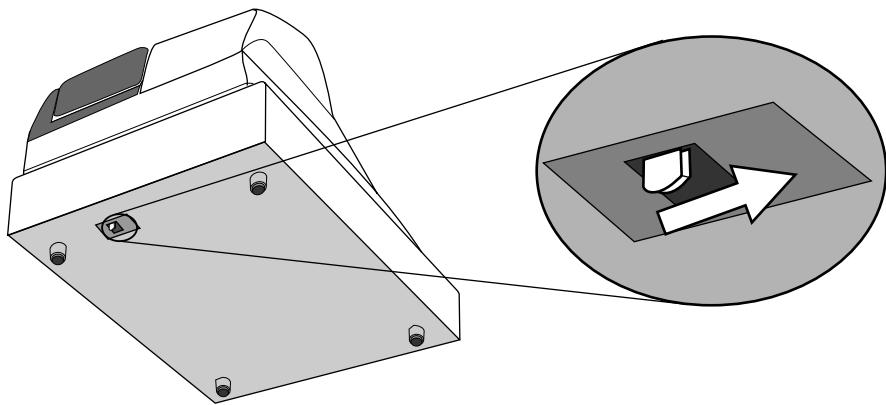
Drawer key

Use the drawer key to lock and unlock the drawer .

Introducing the PCR-360

When the cash drawer does not open!

In case of power failure or the machine is in malfunction, the cash drawer does not open automatically . Even in these cases, you can open the cash drawer by pulling drawer release lever (see below).



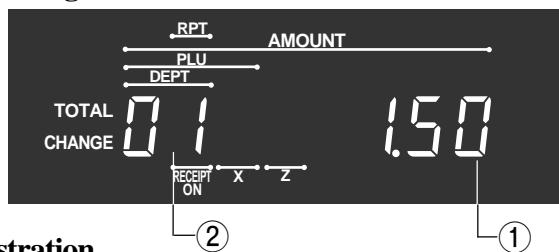
Important!

The drawer will not open, if it is locked with a drawer lock key .

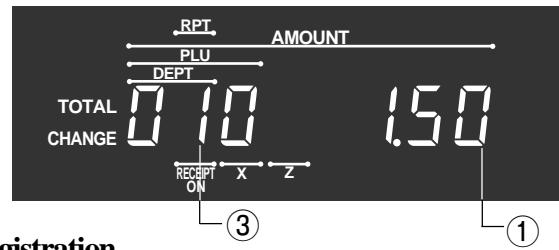
Displays

Main Display

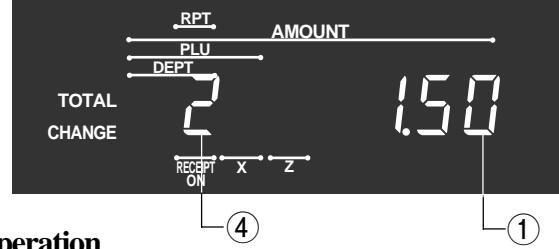
Department registration



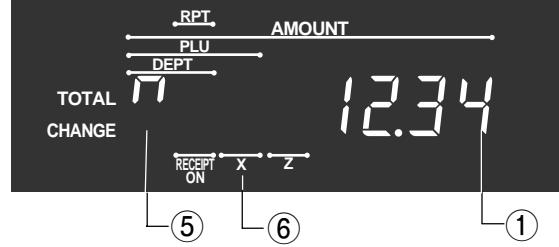
PLU registration



Repeat registration



Totalize operation



①Amount/Quantity

This part of the display shows monetary amounts. It also can be used to show the current date and time.

②Department Number

When you press a department key to register a unit price, the corresponding department number (01 ~ 40: U.S., 01 ~ 10: Canada) appears here.

③PLU (Sub-Department Number)

When you register a PLU (Sub-Department) item, the corresponding PLU (Sub-Department) number appears here.

④Number of Repeats

Anytime you perform a repeat registration (page 32), the number of repeats appears here.

Note that only one digit is displayed for the number of repeats. This means that a "5" could mean 5, 15 or even 25 repeats.

⑤Total/Change Indicators

When the TOTAL indicator (upper segment) is lit, the displayed value is monetary total or subtotal amount. When the CHANGE indicator (lower segment) is lit, the displayed value is the change due.

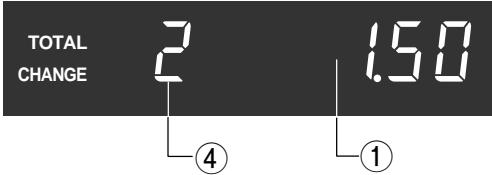
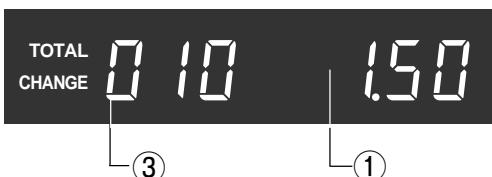
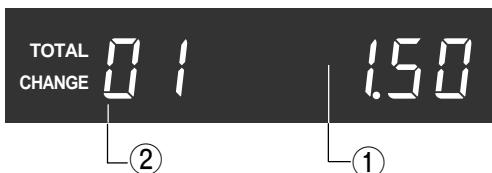
⑥Receipt ON/OFF, X, Z indicators (Lowest segment)

Receipt ON/OFF: When the register issues receipts, this indicator is lit. (REG/RF mode only)

X: Indicates X mode

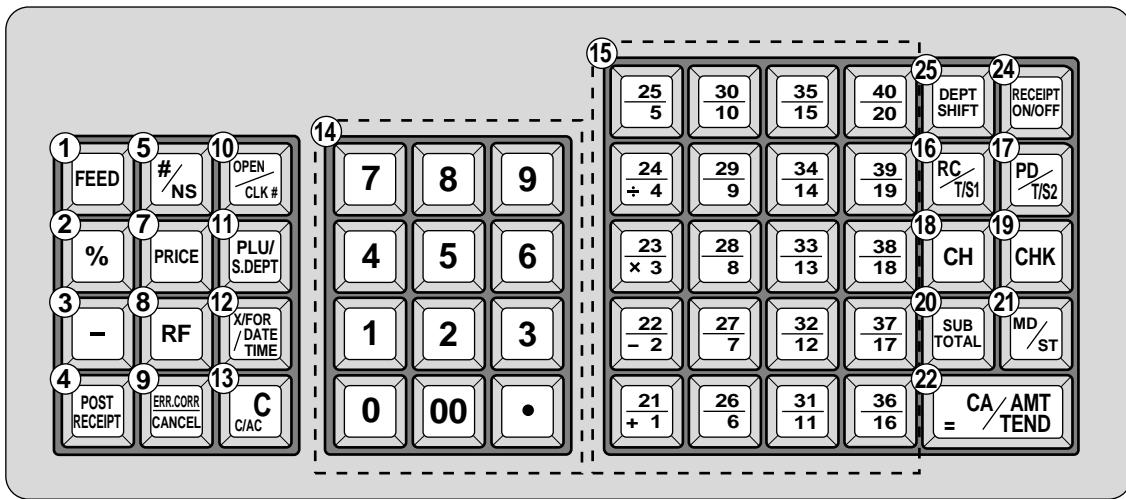
Z: Indicates Z mode

Pop-up display



Introducing the PCR-360

Keyboard (U.S.)



Register Mode

① Paper Feed key

Hold this key down to feed paper from the printer.

② Percent key

Use this key to register premiums or discounts.

This key can be changed to Manual tax key.

Manual tax key: Use this key to register manually entered tax amounts (refer to page 67).

③ Minus key

Use this key to input values for subtraction.

④ Post Receipt key

Press this key to produce a post-finalization receipt.

⑤ Non-add/No sale key (U.S.)

Press this key to open the drawer without registering anything. To print reference number (to identify a personal check, credit card, etc.) during a transaction, press this key after some numerical entries.

⑥ Non-add key (Canada)

To print reference number (to identify a personal check, credit card, etc.) during a transaction, press this key after some numerical entries.

⑦ Price key

Use this key to register unit prices for sub-department.

⑧ Refund key

Use this key to input refund amounts and void certain entries.

⑨ Error Correct/Cancel key

Use this key to correct registration errors and to cancel registration of entire transactions.

⑩ Open/Clerk number key

It is necessary to select one of these functions.

Open key: Press this key to temporarily release a limitation on the number of digits that can be input for a unit price.

Clerk number key: Use this key to sign clerk on and off the register.

⑪ PLU/Sub-department key

Use this key to input PLU (sub-department) numbers.

⑫ Multiplication/For/Date/Time key

Use this key to input a quantity for a multiplication operation and registration of split sales of packaged items. Between transactions, this key displays the current time and date.

⑬ Clear key

Use this key to clear an entry that has not yet been registered.

⑭ Ten key pad , , ~ , ,

Use these keys to input numbers.

⑮ Department keys , ~ (U.S.)

Department keys , ~ (Canada)

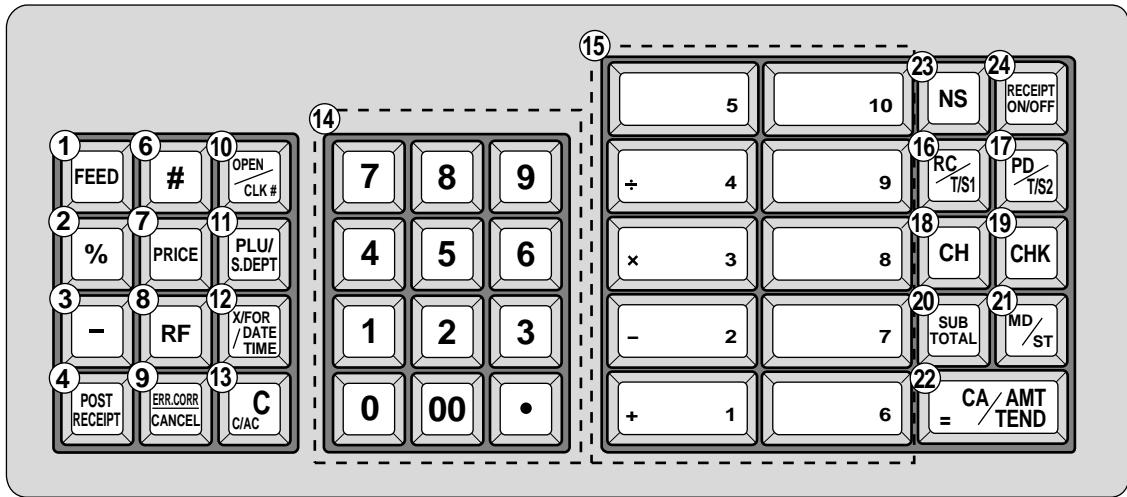
Use these keys to register items to departments.

⑯ Received on Account/Tax Status Shift 1 key

Received on Account: Press this key following a numeric entry to register money received for non-sale transactions.

Tax Shift 1: Press this key without a numeric entry to change the Taxable 1 status of the next item.

Keyboard (Canada)



⑯ Paid Out/Tax Status Shift 2 key PD/T/S2

Paid Out: Press this key following a numeric entry to register money paid out from the drawer.

Tax Shift 2: Press this key without a numeric entry to change the Taxable 2 status of the next item.

⑯ Charge key CH

Use this key to register a charge sales.

⑯ Check key CHK

Use this key to register a check tender.

⑯ Subtotal key SUB TOTAL

Press this key to display and print the current subtotal (includes add-on tax) amount.

⑯ Merchandise Subtotal key MD/ST

Press this key to display and print the current item price subtotal (excludes add-on tax) amount.

⑯ Cash Amount Tendered key CA/AMT

Press this key to register a cash sales.

⑯ No sale key NS (Canada)

Press this key to open the drawer without registering anything.

⑯ Receipt On/Off key RECEIPT ON/OFF

Press this key twice to change the status "receipt issue" or "no receipt." This key is only effective when the "use printer for receipt printer" in the printer control program is selected. In case of "receipt issue", the "RECEIPT ON" indicator is lit.

⑯ Department Shift key DEPT SHIFT (U.S.)

Press this key to shift the department key number from 1 through 20 to 21 through 40 as follows.

DEPT SHIFT 21	\Rightarrow	Dept.1	DEPT SHIFT 21	\Rightarrow	Dept.21
DEPT SHIFT 22	\Rightarrow	Dept.2	DEPT SHIFT 22	\Rightarrow	Dept.22
DEPT SHIFT 23	\Rightarrow	Dept.3	DEPT SHIFT 23	\Rightarrow	Dept.23
DEPT SHIFT 24	\Rightarrow	Dept.4	DEPT SHIFT 24	\Rightarrow	Dept.24
DEPT SHIFT 25	\Rightarrow	Dept.5	DEPT SHIFT 25	\Rightarrow	Dept.25
DEPT SHIFT 26	\Rightarrow	Dept.6	DEPT SHIFT 26	\Rightarrow	Dept.26
DEPT SHIFT 27	\Rightarrow	Dept.7	DEPT SHIFT 27	\Rightarrow	Dept.27
DEPT SHIFT 28	\Rightarrow	Dept.8	DEPT SHIFT 28	\Rightarrow	Dept.28
DEPT SHIFT 29	\Rightarrow	Dept.9	DEPT SHIFT 29	\Rightarrow	Dept.29
DEPT SHIFT 30	\Rightarrow	Dept.10	DEPT SHIFT 30	\Rightarrow	Dept.30
DEPT SHIFT 31	\Rightarrow	Dept.11	DEPT SHIFT 31	\Rightarrow	Dept.31
DEPT SHIFT 32	\Rightarrow	Dept.12	DEPT SHIFT 32	\Rightarrow	Dept.32
DEPT SHIFT 33	\Rightarrow	Dept.13	DEPT SHIFT 33	\Rightarrow	Dept.33
DEPT SHIFT 34	\Rightarrow	Dept.14	DEPT SHIFT 34	\Rightarrow	Dept.34
DEPT SHIFT 35	\Rightarrow	Dept.15	DEPT SHIFT 35	\Rightarrow	Dept.35
DEPT SHIFT 36	\Rightarrow	Dept.16	DEPT SHIFT 36	\Rightarrow	Dept.36
DEPT SHIFT 37	\Rightarrow	Dept.17	DEPT SHIFT 37	\Rightarrow	Dept.37
DEPT SHIFT 38	\Rightarrow	Dept.18	DEPT SHIFT 38	\Rightarrow	Dept.38
DEPT SHIFT 39	\Rightarrow	Dept.19	DEPT SHIFT 39	\Rightarrow	Dept.39
DEPT SHIFT 40	\Rightarrow	Dept.20	DEPT SHIFT 40	\Rightarrow	Dept.40

Calculator Mode

⑯ Percent key %

⑯ Drawer open key #NS (U.S.)

⑯ Memory recall key PLU/S.DEPT

⑯ Clear key C

⑯ Ten key pad 0, 1, ~ 9, 00, .

⑯ Arithmetic operation keys +1, -2, ×3 and ÷4

⑯ Equal key CA/AMT

⑯ Drawer open key NS (Canada)

How to read the printouts...

- The journal and receipts are records of all transactions and operations.
- The contents printed on receipts and journal are identical, except the date printing line. (The date line is printed on receipts and reports.)
- You can choose the journal skip function (page 56).
If the journal skip function is selected, the cash register will print the total amount of each transaction, and the details of premium, discount and reduction operations only, without printing department and PLU item registrations on the journal.
- The following items can be skipped on receipts and journal.
 - Time
 - Consecutive number
 - Taxable status
 - Taxable amount

Receipt Sample

12 - 06 - 96	Date
1 12 - 35	Clerk No./Time
1234 0025	Machine No./ Consecutive No.
01 • 10 • 00 I	
02 • 20 • 00 II	
10 % -	
- 2 • 00 II	
• 10 • 00 I TA	
• 0 • 40 I TX	
• 18 • 00 II TA	
• 0 • 90 II TX	
• 29 • 30 TL	
• 50 • 00 CA AT	
• 20 • 70 CG	
2 No	Item counter No. of item sold

**Journal Sample
(Item lines Included)**

12 - 06 - 96
1 12 - 35
1234 0025
01 • 10 • 00 I
02 • 20 • 00 II
10 % -
- 2 • 00 II
• 10 • 00 I TA
• 0 • 40 I TX
• 18 • 00 II TA
• 0 • 90 II TX
• 29 • 30 TL
• 50 • 00 CA AT
• 20 • 70 CG
2 No

**Journal Sample
(Item lines Skipped)**

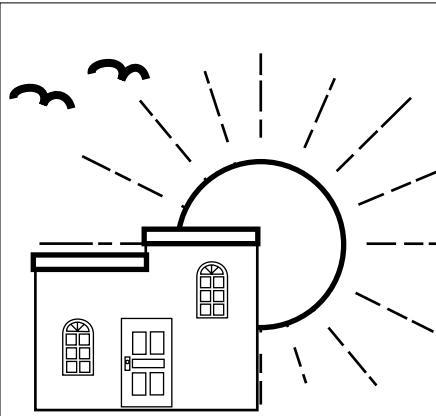
1 12 - 35
1234 0025
10 % -
- 2 • 00 II
• 10 • 00 I TA
• 0 • 40 I TX
• 18 • 00 II TA
• 0 • 90 II TX
• 29 • 30 TL
• 50 • 00 CA AT
• 20 • 70 CG
2 No

In the operation examples contained in this manual, the print samples are what would be produced if the roll paper is being used for receipts. They are not actual size. Actual receipts are 58 mm wide. Also, all sample receipts and journals are printout images.

How to Use Your Cash Register...

The following describes the general procedure you should use in order to get the most out of your cash register.

BEFORE business hours...



- Check to make sure that the cash register is plugged in securely.
- Check to make sure there is enough paper left on the roll.
- Read the financial totals to confirm that they are all zero.
- Check the date and time.

Page 10

Page 11

Page 72

Page 30

DURING business hours...

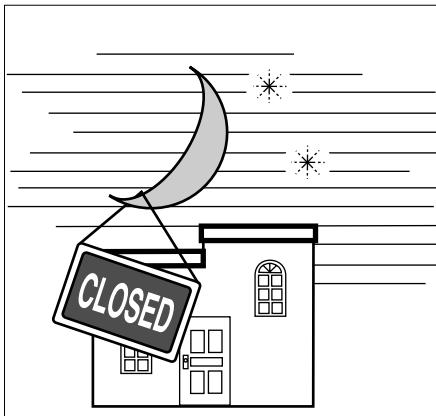
- Register transactions.
- Periodically read totals.

Page 31

Page 71



AFTER business hours...



- Reset the daily totals.
- Remove the journal.
- Empty the cash drawer and leave it open.
- Take the cash and journal to the office.

Page 53

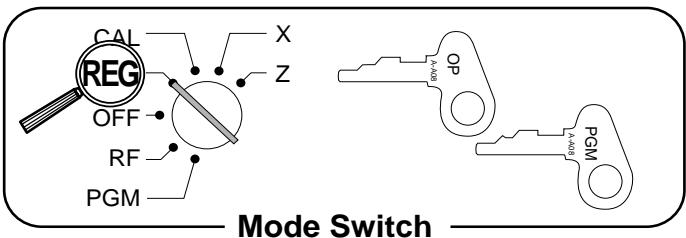
Page 82

Page 23

Basic Operations and Setups

Displaying the time and date

You can show the time or date on the display of the cash register whenever there is no registration being made.



Mode Switch

To display and clear the time

OPERATION	DISPLAY
Time appears on the display	Hour Minutes (24-hour system)
Clears the time display	Receipt On Indicator

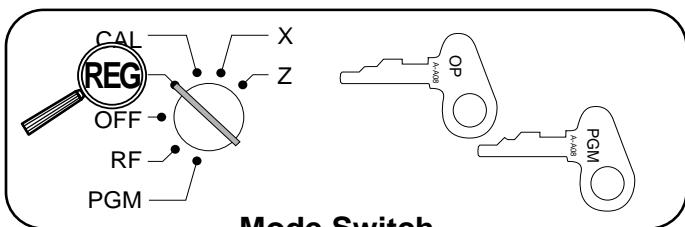
To display and clear the date

OPERATION	DISPLAY
Date appears on the display	(Time displayed first) Month Date Year
Clears the date display	Receipt On Indicator

Preparing coins for change

You can use the following procedure to open the drawer without registering an item. This operation must be performed out of a sale.

(You can use key instead of key. See page 49.)



Mode Switch

Opening the drawer without a sale

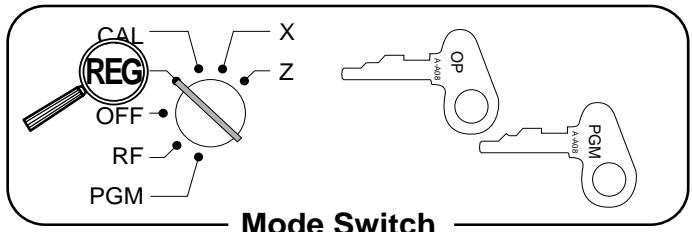
OPERATION	RECEIPT
	12-06-96 08-35 0001#

- For Canada, press key instead of key.

Preparing and using department keys

Registering department keys

The following examples show how you can use the department keys in various types of registrations.



Single Item Sale

Example 1

Item	Unit Price	\$1.00
	Quantity	1
	Dept.	1
	Taxable	No
Payment	Cash	\$1.00

OPERATION

1 00
Unit price
+ 1
Department
[CA/AMT =/TEND]

RECEIPT

12 - 06 - 96
08 - 40
0002
01 • 1 • 00
• 1 • 00 CA

Date
Time
Consecutive No.
Department No./
Unit price

Example 2 (only for U.S.)

OPERATION

2 0 00 [DEPT SHIFT] 21
Designating from 21 to 40
department, press [DEPT SHIFT] first.
[CA/AMT =/TEND]

RECEIPT

12 - 06 - 96
08 - 50
0003
21 • 20 • 00
• 20 • 00 CA

Example 3

OPERATION

[RC/TIS1] 3 00 + 1
Shifting non-taxable dept. to
taxable by depressing [RC/TIS1, PD/TIS2]
before numerics.
[CA/AMT =/TEND]

RECEIPT

12 - 06 - 96
09 - 00
0004
01 • 3 • 00 I
• 3 • 00 I TA
• 0 • 12 I TX
• 3 • 12 CA

Tax status
Taxable Amount 1
Tax 1

Basic Operations and Setups

Repeat

	Unit Price	\$1.50
Item	Quantity	3
	Dept.	1
	Taxable	No
Payment	Cash	\$10.00

OPERATION

1 5 0 + 1
+ 1
+ 1
SUB TOTAL
1 0 00 CA/AMT =/TEND

RECEIPT

12-06-96
09-10
0005
01 .1.50
01 .1.50
01 .1.50
.4.50 TL
.10.00 CA AT
.5.50 CG

Repeat
Repeat

Multiplication

	Unit Price	\$1.00
Item	Quantity	12.5
	Dept.	1
	Taxable	No
Payment	Cash	\$20.00

OPERATION

1 2 • 5 X/FOR DATE TIME
Quantity (4-digit integer/2-digit decimal)
1 00 + 1
SUB TOTAL
2 0 00 CA/AMT =/TEND

RECEIPT

12-06-96
09-20
0006
12.5 X
.1.00 @
12.50
.12.50 TL
.20.00 CA AT
.7.50 CG

Quantity
Unit Price

Split Sales of Packaged Items

	Unit Price	4 for \$10.00
Item	Quantity	3
	Dept.	1
	Taxable	No
Payment	Cash	\$10.00

OPERATION

3 X/FOR DATE TIME
Quantity being purchased (4-digit integer/2-digit decimal)
4 X/FOR DATE TIME
Package quantity (4-digit integer/2-digit decimal)
1 0 00 + 1
Package price
SUB TOTAL
1 0 00 CA/AMT =/TEND

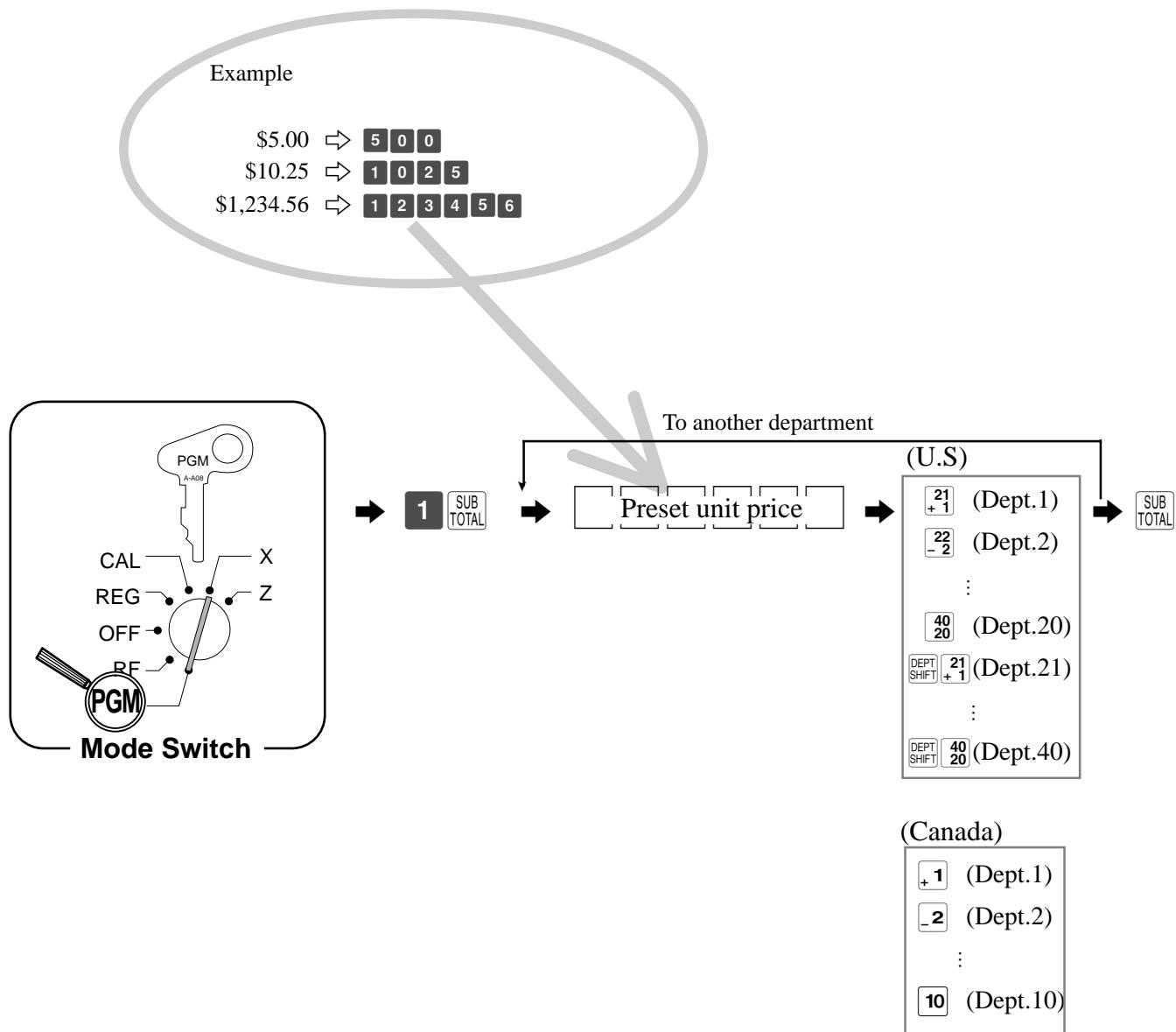
RECEIPT

12-06-96
09-30
0007
3 X
4
.10.00 @
.7.50
.7.50 TL
.10.00 CA AT
.2.50 CG

Quantity
Package quantity
Unit Price

Programming department keys

To program a unit price for each department.



Basic Operations and Setups

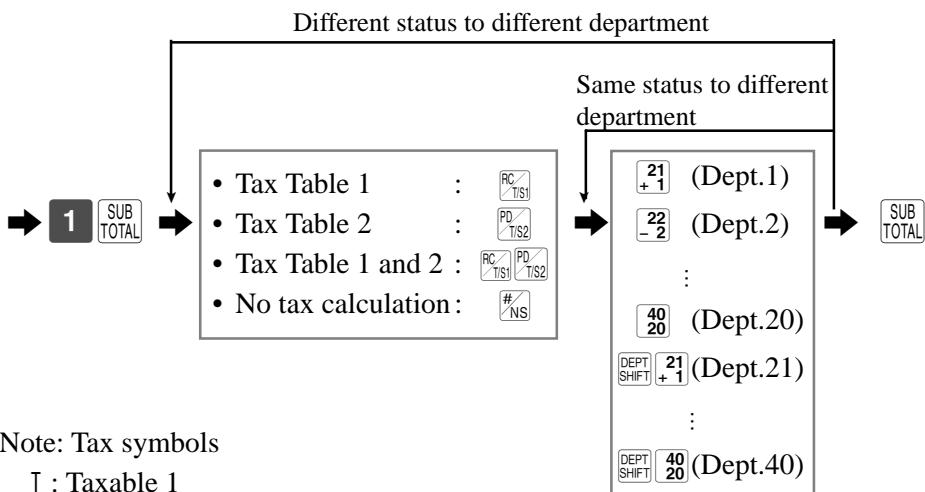
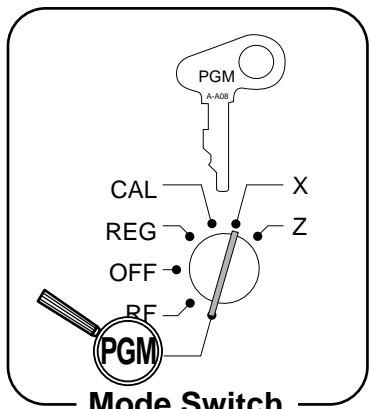
To program the tax calculation status for each department.

Tax calculation status

This specification defines which tax table should be used for automatic tax calculation. See page 16 for information on setting up the tax tables.

Programming procedure

U.S.



Note: Tax symbols

I : Taxable 1

II : Taxable 2

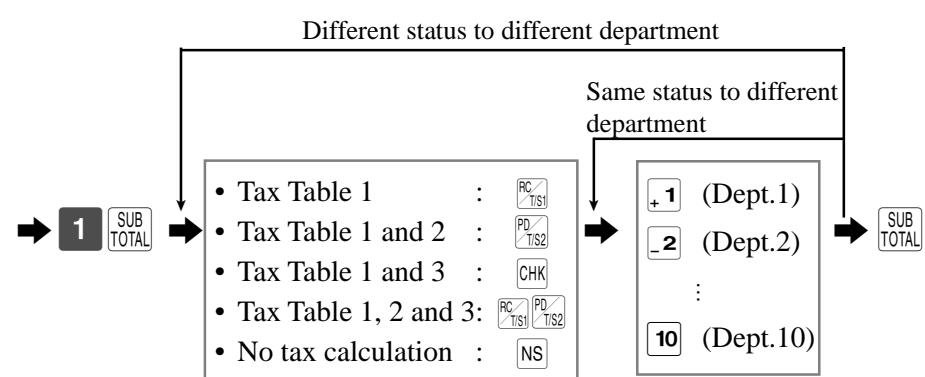
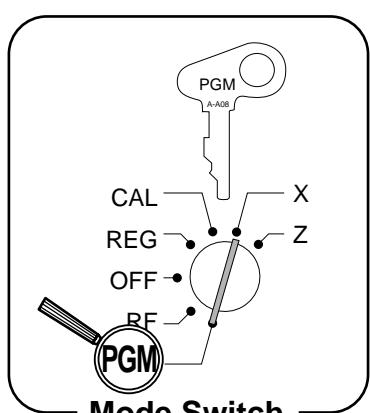
III : Taxable 1 and 2

Tax status for the departments are initialized as follows:

Department 1 ~ 10: Tax table 1 and 2,

Department 11 ~ 40: No tax calculation.

Canada



Note: Tax symbols

I : Taxable 1

II : Taxable 1 and 2

III : Taxable 1 and 3

* : Taxable 1, 2 and 3

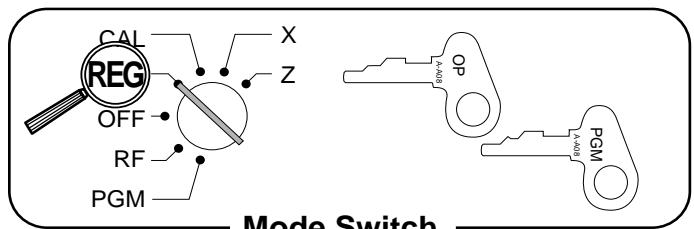
Tax status for the departments are initialized as follows:

Department 1 ~ 5: Tax table 1 and 2,

Department 6 ~ 10: No tax calculation.

Registering department keys by programming data

Preset Price



OPERATION

	Unit Price	(\$1.00) _{preset}
Item	Quantity	1
	Dept.	2
	Taxable	No
	Payment	Cash

Mode Switch

RECEIPT

2	12 - 06 - 96	Date
	09 - 40	Time
	0008	Consecutive No.
02	• 1 • 00	Department No./
	• 1 • 00 CA	Unit price

Preset Tax Status

OPERATION

Item 1	Unit Price	(\$2.00) _{preset}
	Quantity	5
	Dept.	3
	Taxable	(1) _{preset}
Item 2	Unit Price	(\$2.00) _{preset}
	Quantity	1
	Dept.	3
	Taxable	No
Payment	Cash	\$20.00

RECEIPT

5	12 - 06 - 96	Date
	09 - 50	Time
	0009	Consecutive No.
03	5 X	
	• 2 • 00	Tax status
03	• 10 • 00 I	Taxable Amount 1
	• 2 • 00	Tax 1
	• 10 • 00 I TA	
	• 0 • 40 I TX	
	• 12 • 40 TI	
	• 20 • 00 CA AT	
	• 7 • 60 CG	

Preparing and using PLUs

This section describes how to prepare and use PLUs.

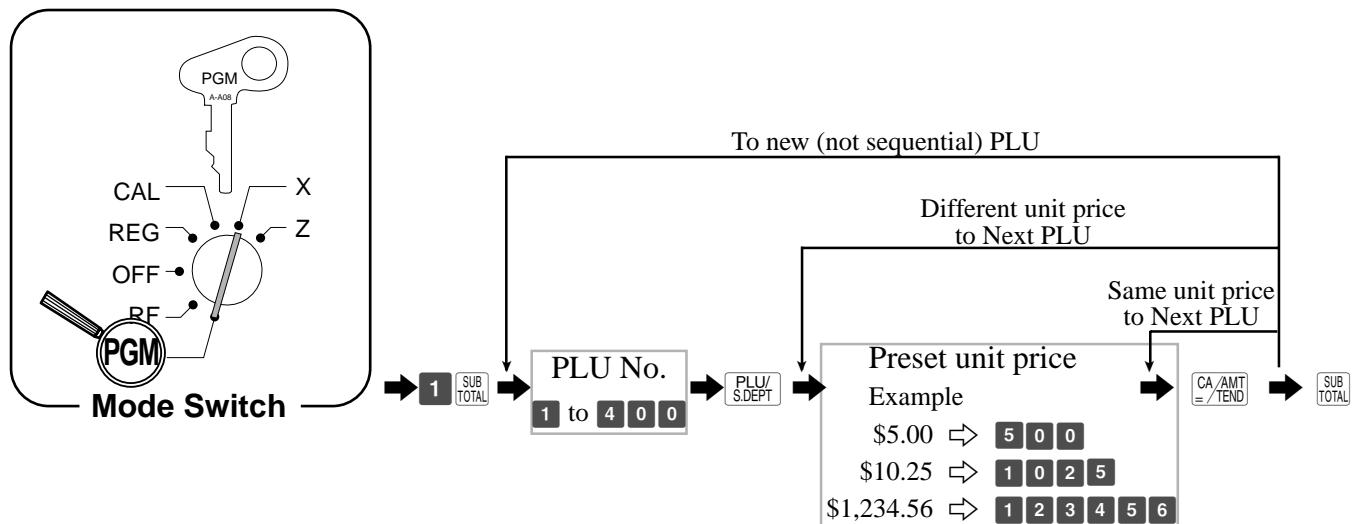
CAUTION:

Before you use PLUs, you should first tell the cash register how it should handle the registration.

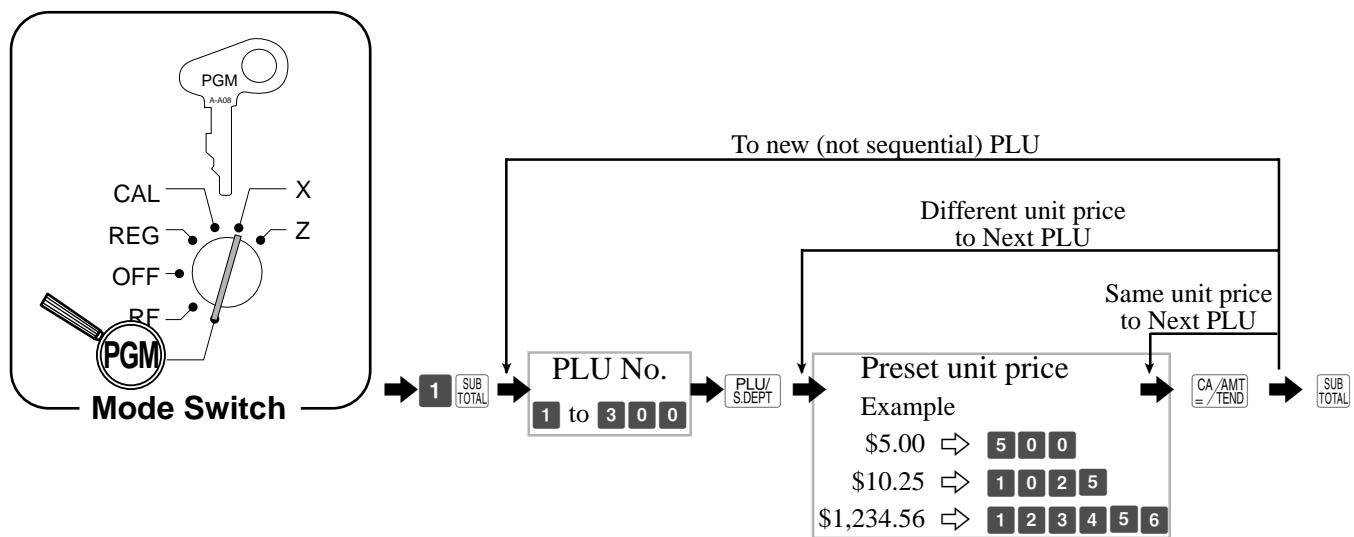
Programming PLUs

To program a unit price for each PLU

U.S.

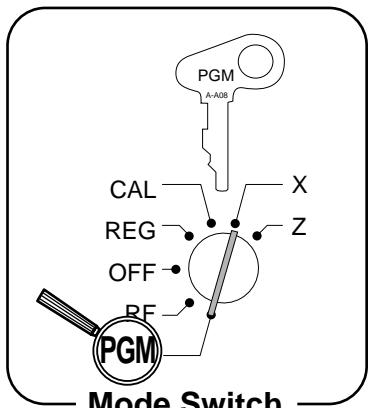


Canada



To program tax calculation status for each PLU

U.S.



→ 1 SUB TOTAL

Different status to different PLU

- Tax Table 1 :
- Tax Table 2 :
- Tax Table 1 and 2 :
- No tax calculation :

Same status to different PLU

PLU No.
1 to 4 0 0

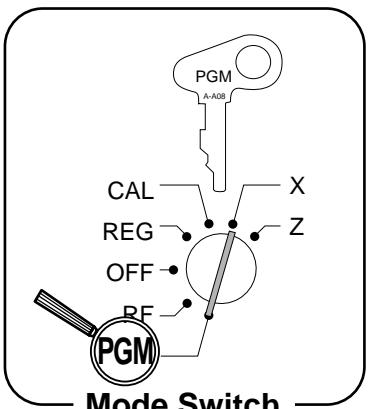
Same status to the next PLU

PLU/
S/DEPT

→ SUB TOTAL

All PLUs are initialized as no tax calculation.

Canada



→ 1 SUB TOTAL

Different status to different PLU

- Tax Table 1 :
- Tax Table 1 and 2 :
- Tax Table 1 and 3 :
- Tax Table 1, 2 and 3:
- No tax calculation :

Same status to different PLU

PLU No.
1 to 3 0 0

Same status to the next PLU

PLU/
S/DEPT

→ SUB TOTAL

All PLUs are initialized as no tax calculation.

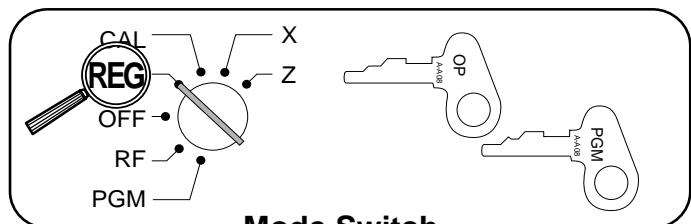
Basic Operations and Setups

Registering PLUs

The following examples show how you can use PLUs in various types of registrations.

Registering by Sub-department, see the "Convenient Operations and Setups" on page 61.

PLU Single-Item-Sale



OPERATION

RECEIPT

Item	Unit Price	(\$2.50) _{preset}
	Quantity	1
	PLU	14
	Taxable	(2) _{preset}
Payment	Cash	\$3.00

1 4
PLU code

PLU/
S.DEPT
3 00
SUB
TOTAL
CA/AMT
= /TEND

12 - 06 - 96
10 - 00
0010
014 • 2 • 50 II
• 2 • 50 II TA
• 0 • 13 II TX
• 2 • 63 TL
• 3 • 00 CA AT
• 0 • 37 CG

PLU No./Unit price

PLU Repeat

OPERATION

RECEIPT

Item	Unit Price	(\$2.50) _{preset}
	Quantity	3
	PLU	14
	Taxable	(2) _{preset}
Payment	Cash	\$10.00

1 4 PLU/
S.DEPT
PLU/
S.DEPT
PLU/
S.DEPT
SUB
TOTAL
1 0 00 CA/AMT
= /TEND

12 - 06 - 96
10 - 10
0011
014 • 2 • 50 II
014 • 2 • 50 II
014 • 2 • 50 II
• 7 • 50 II TA
• 0 • 38 II TX
• 7 • 88 TL
• 10 • 00 CA AT
• 2 • 22 CG

PLU Multiplication

OPERATION

RECEIPT

Item	Unit Price	(\$1.20) _{preset}
	Quantity	15
	PLU	2
	Taxable	(2) _{preset}
Payment	Cash	\$20.00

1 5 X/FOR
/DATE
Quantity
(4-digit integer/2-digit decimal)
2 PLU/
S.DEPT
SUB
TOTAL
2 0 00 CA/AMT
= /TEND

12 - 06 - 96
10 - 20
0012
15 X
• 1 • 20 @
002 • 18 • 00 II
• 18 • 00 II TA
• 0 • 90 II TX
• 18 • 90 TL
• 20 • 00 CA AT
• 1 • 10 CG

PLU Spilt Sales of Packaged item

OPERATION

RECEIPT

	Unit Price	(5for\$20.00) _{preset}
Item	Quantity	3
	PLU	28
	Taxable	(2) _{preset}
Payment	Cash	\$15.00

3 X/FOR DATE TIME
Quantity being purchased
(4-digit integer/2-digit decimal)

5 X/FOR DATE TIME
Package quantity
(4-digit integer/2-digit decimal)

2 8 PLU/ S.DEPT
SUB TOTAL
1 5 00 CA/AMT =/TEND

12 - 06 - 96
10 - 30
00 13

3 X
5
• 20 • 00 a
028 • 12 • 00 II

• 12 • 00 II TA
• 0 • 60 II TX

• 12 • 60 TL
• 15 • 00 CA AT
• 2 • 40 CG

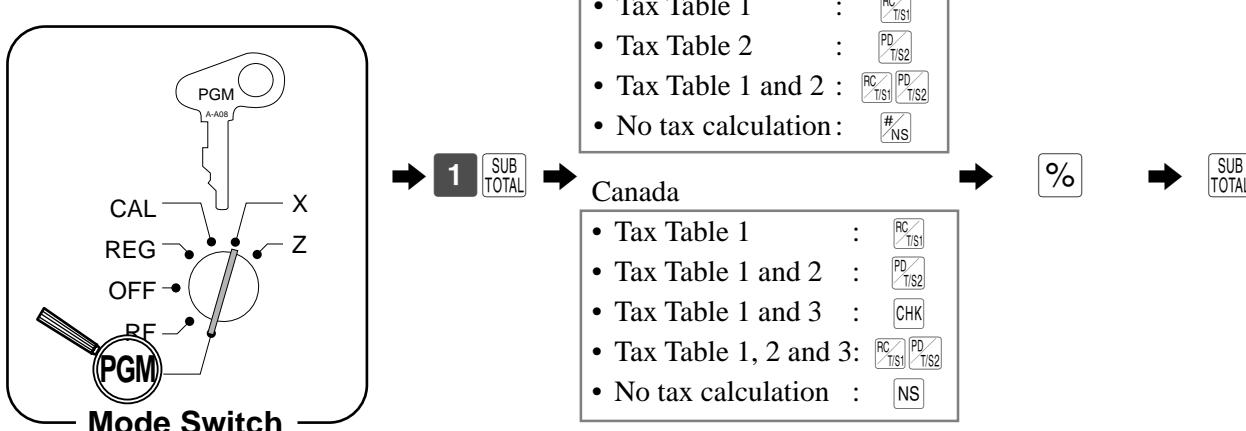
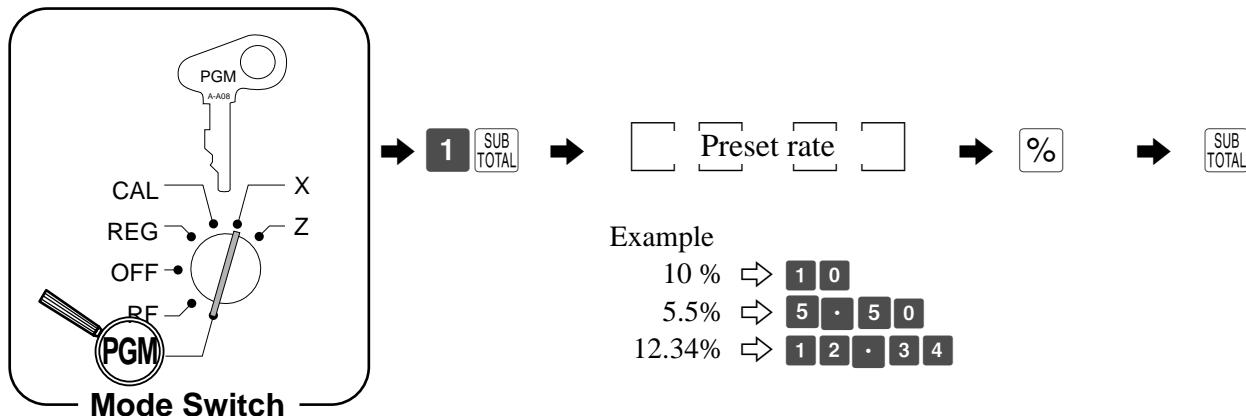
Preparing and using discounts

This section describes how to prepare and register discount.

Programming discounts

You can use the **%** key to register discounts (percentage decreases). The more detailed informations about the discount (and premium) are described in the "Registering discounts and premiums" section in the "Convenient Operations and setups" chapter on page 65.

To program a rate to the **%** key

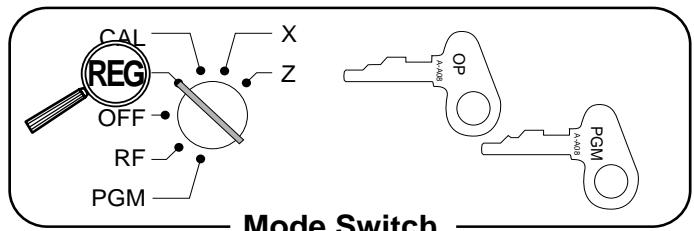


Tax status for the **%** key is initialized as tax 1 and 2. (U.S.)

Tax status for the **%** key is initialized as tax 1, 2 and 3. (Canada)

Registering discounts

The following example shows how you can use the **%** key in various types of registration.



Discount for Items and subtotals

OPERATION

RECEIPT

Item 1	Unit Price	\$5.00
	Quantity	1
	Dept.	1
	Taxable	(1) _{preset}
Item 2	Unit Price	(\$10.00) _{preset}
	Quantity	1
	PLU	16
	Taxable	(2) _{preset}
Discount	Rate	(5%) _{preset}
Subtotal	Rate	3.5%
discount	Taxable	1 and 2
Payment	Cash	\$15.00

5 00 + 1
1 6 PLU/
S.DEPT
%

Applies the preset discount rate to the last item registered.

MD
ST

For this operation, hit this key instead of **SUB TOTAL**.

3 • 5 %

The input value takes priority of the preset value.

1 5 00
SUB
TOTAL
CA/AMT
= / TEND

12 - 06 - 96
10 - 40
00 14

01 • 5 • 00 I
016 • 10 • 00 II
5 % -
- 0 • 50 II
• 14 • 50 ST
3 • 5 % -
- 0 • 51 III
• 4 • 82 I TA
• 0 • 19 I TX
• 9 • 17 II TA
• 0 • 46 II TX

• 14 • 64 TL
• 15 • 00 CA AT
• 0 • 36 CG

- You can manually input rates up to 4 digits long (0.01% to 99.99%).

Taxable status of the **%** key

- Whenever you perform a discount operation on the last item registered, the tax calculation for discount amount is performed in accordance with the tax status programmed for that item.
- Whenever you perform a discount operation on a subtotal amount, the tax calculation for the subtotal amount is performed in accordance with the tax status programmed for the **%** key.

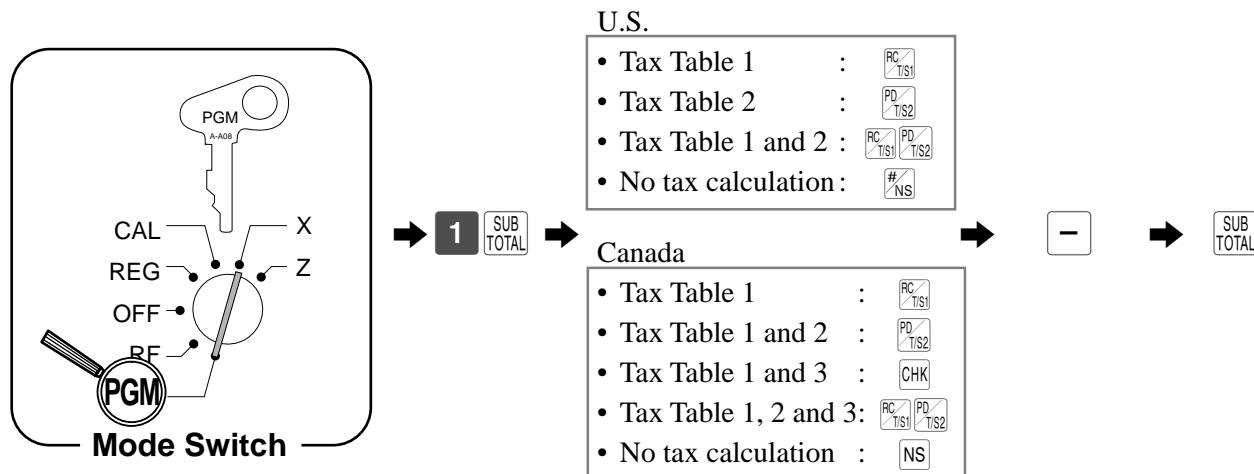
Preparing and using reductions

This section describes how to prepare and register reductions.

Programming for reductions

You can use the **[-]** key to reduce single items or subtotal amounts. The following procedure lets you program the tax calculation method for the **[-]** key.

To program tax calculation status.



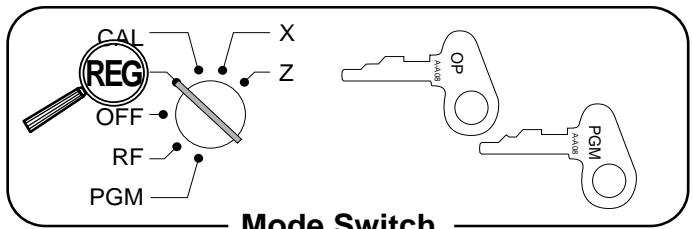
Tax status for the **[-]** key is initialized as no tax calculation.

Taxable status of the **[-]** key

The tax calculation for the reduction amount is performed in accordance with the tax status programmed for the **[-]** key, regardless of whether the reduction is performed on the last item registered or a subtotal amount.

Registering reductions

The following examples show how you can use the **-** key in various types of registration.



Mode Switch

Reduction for Items

OPERATION

RECEIPT

Item 1	Unit Price	\$5.00
	Quantity	1
	Dept.	1
	Taxable	(1) _{preset}
Reduction	Amount	\$0.25

5 00 + 1

2 5 -

Reduces the last amount registered by the value input.

4 5 PLU/ S.DEPT

5 0 -

12-06-96
10-50
0015

01 • 5.00 I
- 0.25 I
045 • 6.00 I
- 0.50 I
• 10.25 I TA
• 0.41 I TX

• 10.66 TL
• 11.00 CA AT
• 0.34 CG

1 1 00 CA/AMT =/TEND

- You can manually input reduction values up to 7 digits long.

- The amount you input for the reduction is neither subtracted from the department nor PLU totalizer.

Reduction for Subtotal

OPERATION

RECEIPT

Item 1	Unit Price	\$3.00
	Quantity	1
	Dept.	1
	Taxable	(1) _{preset}
Item 2	Unit Price	\$4.00
	Quantity	1
	Dept.	2
	Taxable	(2) _{preset}
Subtotal	Amount	\$0.75
Reduction	Taxable	(No) _{preset}
Payment	Cash	\$7.00

3 00 + 1

4 00 - 2

SUB TOTAL

7 5 -

Reduces the subtotal by the value input here.

7 00 CA/AMT =/TEND

12-06-96
11-00
0016

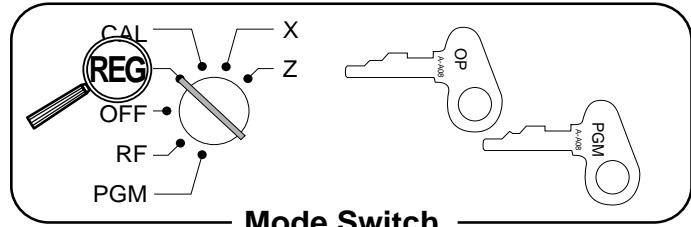
01 • 3.00 I
02 • 4.00 II
- 0.75
• 3.00 I TA
• 0.12 I TX
• 4.00 II TA
• 0.20 II TX

• 6.57 TL
• 7.00 CA AT
• 0.43 CG

Basic Operations and Setups

Calculating the merchandise subtotal

Use the operation shown below to calculate the merchandise subtotal, which includes the actual cost of the merchandise only without the add-on tax.



Mode Switch

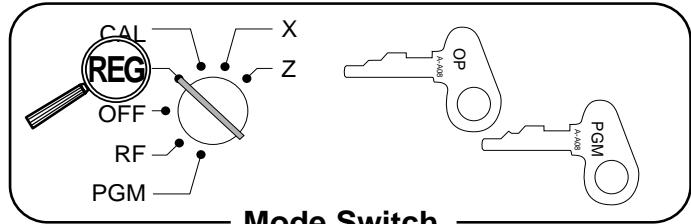
Calculation merchandise subtotal

	OPERATION	DISPLAY
Item 1	Unit Price 1 00 + 1	01 100
	Quantity 2 00 - 2	02 200
	Dept. 3 00 x 3	03 300
	Taxable (1) _{preset}	TOTAL 6.00
Item 2	Unit Price 2.00	
	Quantity 1	
	Dept. 2	
	Taxable (2) _{preset}	TOTAL 6.26
Item 3	Unit Price 3.00	
	Quantity 1	
	Dept. 3	
	Taxable (1) _{preset}	CHANGE 3.74
Payment	Cash \$10.00	
RECEIPT		
12 - 06 - 96 11 - 10 00 17 01 • 1 • 00 I 02 • 2 • 00 II 03 • 3 • 00 I • 6 • 00 ST • 4 • 00 I TA • 0 • 16 I TX • 2 • 00 II TA • 0 • 10 II TX • 6 • 26 TL • 10 • 00 CA AT • 3 • 74 CG		

- For a partial tender operation, you should press the **SUB TOTAL** key instead of the **MD/ST** key.

Shifting the taxable status of an item

By pressing "Tax Shift" key, you can shift the taxable status of an item.



Mode Switch

Calculation merchandise subtotal

	OPERATION		RECEIPT
Item 1	Unit Price	\$4.00	4 00 + 1 RC/T/S1
	Quantity	1	2 00 - 2 Pressing RC changes the tax status from Non-taxable to Taxable 1
	Dept.	1	6 00 x 3 Pressing PD changes the tax status from Taxable 1 to Taxable 1, 2
	Taxable	(2) _{preset}	7 00 ÷ 4 Pressing PD changes the tax status from Taxable 2 to Non-taxable
Item 2	Unit Price	\$2.00	2 0 00 CA/AMT =/TEND
	Quantity	1	
	Dept.	2	
	Taxable	(No) → 1	
Item 3	Unit Price	\$6.00	SUB TOTAL
	Quantity	1	
	Dept.	3	
	Taxable	(1) → 1, 2	
Item 4	Unit Price	\$7.00	
	Quantity	1	
	Dept.	4	
	Taxable	(2) → No	
Payment	Cash	\$20.00	

Important!

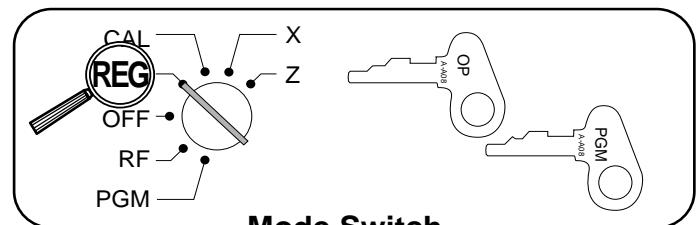
- To change the tax status of the next item to be registered, be sure to press **RC/T/S1**, **PD/T/S2** without inputting any value.
- If the last item registered is programmed as non-taxable, a premium/discount (%) key) operation on this item is always non-taxable.

In this case, you cannot manually change the tax status to Taxable 1 or 2 by pressing **RC/T/S1**, **PD/T/S2** keys.

Registering charge and check payments

The following examples show how to register charges and payments by check.

Check



OPERATION

Item 1	Unit Price	\$10.00
	Quantity	1
	Dept.	1
	Taxable	(1) _{preset}
Payment	Check	\$20.00

1 0 00 + 1
SUB TOTAL
2 0 00 CHK

Mode Switch

RECEIPT

12-06-96
11-30
0019
01 • 10.00 I
• 10.00 I TA
• 0.40 I TX
• 10.40 TL
• 20.00 CK
• 9.60 CG

Charge

OPERATION

Item 1	Unit Price	\$15.00
	Quantity	1
	Dept.	4
	Taxable	(2) _{preset}
Reference Number	Number	123456
Payment	Charge	\$15.75

1 5 00 ÷ 4
SUB TOTAL
*1 1 2 3 4 5 6 #/NS
CH

RECEIPT

12-06-96
11-40
0020
04 • 15.00 II
123456 # Reference No.
• 15.00 II TA
• 0.75 II TX
• 15.75 CH

Mixed tender (cash, charge and check)

OPERATION

Item 1	Unit Price	\$55.00
	Quantity	1
	Dept.	4
	Taxable	(2) _{preset}
Payment	Check	\$30.00
	Cash	\$3.00
	Charge	\$24.75

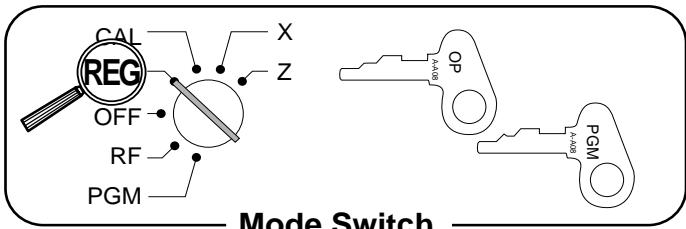
5 5 00 ÷ 4
SUB TOTAL
3 0 00 CHK
3 00 CA/AMT
= TEND
CH

RECEIPT

12-06-96
11-50
0021
04 • 55.00 II
• 55.00 II TA
• 2.75 II TX
• 57.75 TL
• 30.00 CK
• 3.00 CA
• 24.75 CH

Registering returned goods in the REG mode

The following example shows how to use the **RF** key in the REG mode to register goods returned by customers.



OPERATION			RECEIPT												
<table border="1"> <tr> <td rowspan="4">Item 1</td> <td>Unit Price</td><td>\$2.35</td><td></td></tr> <tr> <td>Quantity</td><td>1</td><td></td></tr> <tr> <td>Dept.</td><td>1</td><td></td></tr> <tr> <td>Taxable</td><td>(1)_{preset}</td><td></td></tr> </table>			Item 1	Unit Price	\$2.35		Quantity	1		Dept.	1		Taxable	(1) _{preset}	
Item 1	Unit Price	\$2.35													
	Quantity	1													
	Dept.	1													
	Taxable	(1) _{preset}													
<table border="1"> <tr> <td rowspan="4">Item 2</td> <td>Unit Price</td><td>\$2.00</td><td></td></tr> <tr> <td>Quantity</td><td>1</td><td></td></tr> <tr> <td>Dept.</td><td>2</td><td></td></tr> <tr> <td>Taxable</td><td>(2)_{preset}</td><td></td></tr> </table>			Item 2	Unit Price	\$2.00		Quantity	1		Dept.	2		Taxable	(2) _{preset}	
Item 2	Unit Price	\$2.00													
	Quantity	1													
	Dept.	2													
	Taxable	(2) _{preset}													
<table border="1"> <tr> <td rowspan="4">Item 3</td> <td>Unit Price</td><td>(\$1.20)_{preset}</td><td></td></tr> <tr> <td>Quantity</td><td>1</td><td></td></tr> <tr> <td>PLU</td><td>1</td><td></td></tr> <tr> <td>Taxable</td><td>(2)_{preset}</td><td></td></tr> </table>			Item 3	Unit Price	(\$1.20) _{preset}		Quantity	1		PLU	1		Taxable	(2) _{preset}	
Item 3	Unit Price	(\$1.20) _{preset}													
	Quantity	1													
	PLU	1													
	Taxable	(2) _{preset}													
<table border="1"> <tr> <td rowspan="4">Returned</td> <td>Unit Price</td><td>\$2.35</td><td></td></tr> <tr> <td>Quantity</td><td>1</td><td></td></tr> <tr> <td>Dept.</td><td>1</td><td></td></tr> <tr> <td>Taxable</td><td>1</td><td></td></tr> </table>			Returned	Unit Price	\$2.35		Quantity	1		Dept.	1		Taxable	1	
Returned	Unit Price	\$2.35													
	Quantity	1													
	Dept.	1													
	Taxable	1													
<table border="1"> <tr> <td rowspan="4">Returned</td> <td>Unit Price</td><td>(\$1.20)_{preset}</td><td></td></tr> <tr> <td>Quantity</td><td>1</td><td></td></tr> <tr> <td>PLU</td><td>1</td><td></td></tr> <tr> <td>Taxable</td><td>2</td><td></td></tr> </table>			Returned	Unit Price	(\$1.20) _{preset}		Quantity	1		PLU	1		Taxable	2	
Returned	Unit Price	(\$1.20) _{preset}													
	Quantity	1													
	PLU	1													
	Taxable	2													
Payment	Cash	\$2.10													

OPERATION

RECEIPT

2 3 5 + 1
2 00 - 2

1 PLU/
S.DEPT

2 3 5 + 1

Pressing **RF** specifies that the next item registered is a return.

RF
1 PLU/
S.DEPT

You have to press **RF** before registering each returned item.

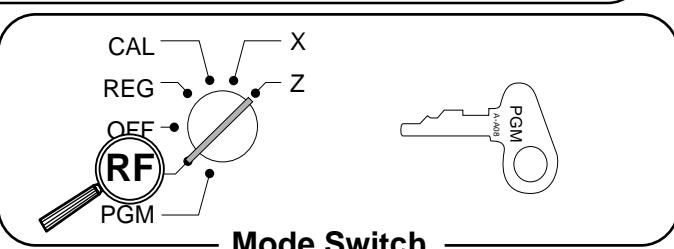
SUB
TOTAL
CA/AMT
= / TEND

12-06-96
12-00
0022

01 .235 I
02 .200 II
001 .120 II
01 -235 I
001 -120 II
• 200 II TA
• 010 II TX
• 210 CA

Registering returned goods in the RF mode

The following examples show how to use the RF mode to register goods returned by customers.



Normal refund transaction

			OPERATION	RECEIPT
	Unit Price	\$1.50		
Returned	Quantity	2		
Item 1	Dept.	1		
	Taxable	1		
	Unit Price	(\$1.20) _{preset}		
Returned	Quantity	6		
Item 2	PLU	2		
	Taxable	2		
Payment	Cash	\$10.68		

Reduction of Amounts Paid on Refund

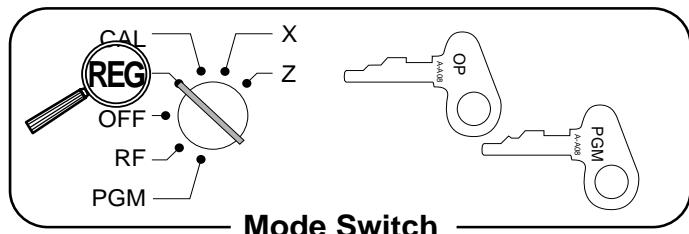
			OPERATION	RECEIPT
	Unit Price	\$4.00		
Returned	Quantity	1		
Item 1	Dept.	3		
	Taxable	1		
Reduction	Amount	\$0.15		
	Unit Price	(\$1.20) _{preset}		
Returned	Quantity	1		
Item 2	PLU	2		
	Taxable	2		
Discount	Rate	(5%) _{preset}		
Payment	Cash	\$5.21		

Important!

To avoid miss registrations in the RF mode, return the mode switch to the former position immediately.

Registering money received on account

The following example shows how to register money received on account. This registration must be performed out of a sale.



Mode Switch

OPERATION

Received Amount	\$700.00
-----------------	----------

7 00 00 RC/T/S1
Amount can be up to 8 digits.

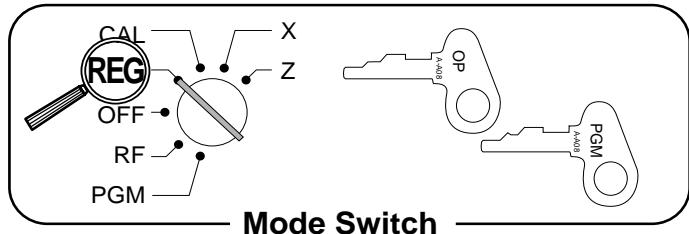
RECEIPT

12-06-96
12-30
0025

• 700 • 00 RC

Registering money paid out

The following example shows how to register money paid out from the register. This registration must be performed out of a sale.



Mode Switch

OPERATION

Paid Out Amount	\$1.50
-----------------	--------

1 5 0 PD/T/S2
Amount can be up to 8 digits.

RECEIPT

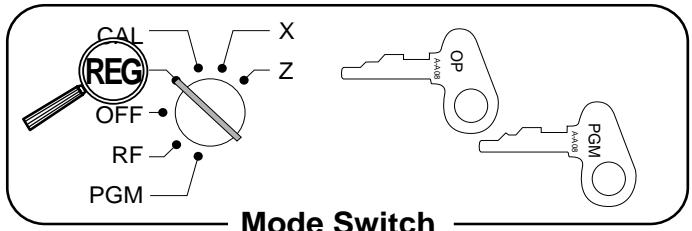
12-06-96
12-40
0026

• 1 • 5 0 PD

Making corrections in a registration

There are three techniques you can use to make corrections in a registration.

- To correct an item that you have input but not yet registered.
- To correct the last item you have input and registered.
- To cancel all items in a transaction.



To correct an item you have input but not yet registered

OPERATION

2 00	C	Correction of unit price
1 00	+ 1	
1 2	X/FOR DATE TIME	Correction of quantity
1 1	X/FOR DATE TIME	
2 00	- 2	
2	C	Correction of PLU No.
3	PLU/ S.DEPT	
1 5	PLU/ S.DEPT	
6 00		
1	C	Correction of
1 5	PLU/ S.DEPT	Sub-department unit price (See page 61 for registering)
Enter Sub-department No. again.		
1 0 00	PRICE	
	SUB TOTAL	
1 0 00	C	Correction of partial tender amount
1 5 00	CA/AMT = /TEND	
	CH	

RECEIPT

12 - 06 - 96
12 - 50
0027
01 • 1 • 00 I
11 X
• 2 • 00 a
02 • 22 • 00 II
003 • 1 • 30 I
015 • 10 • 00 I
• 12 • 30 I TA
• 0 • 49 I TX
• 22 • 00 II TA
• 1 • 10 II TX
• 35 • 89 TL
• 15 • 00 CA AT
• 20 • 89 CH

To correct an item you have input and registered

OPERATION

1	00	+	1	
2	00	_	2	
		-2		
			ERR CORR. CANCEL	
2		PLU/ S.DEPT		
		ERR CORR. CANCEL		
5		PLU/ S.DEPT		
1	5	PLU/ S.DEPT		
6	00	PRICE		
		ERR CORR. CANCEL		
1	5	PLU/ S.DEPT		
1	0	00	PRICE	
8		X/FOR /DATE /TIME		
4	00	÷ 4		
		ERR CORR. CANCEL		
6		X/FOR /DATE /TIME		
4	00	÷ 4		
		MD/ ST		
5	0	%		
		ERR CORR. CANCEL		
		MD/ ST		
5		%		
RF	2	00	_2	
		ERR CORR. CANCEL		
RF	2	2	0	_2
		ERR CORR. CANCEL		
		SUB TOTAL		
3	0	00	CA/AMT = /TEND	
		ERR CORR. CANCEL		
1	5	00	CA/AMT = /TEND	
		CH		

RECEIPT

12 - 06 - 96	
13 - 00	
0028	
01	• 1 • 00 I
02	• 2 • 00 II
02	• 2 • 00 II
	- 2 • 00
002	• 1 • 20 II
	- 1 • 20
005	• 1 • 50 I
015	• 6 • 00 I
	- 6 • 00
015	• 10 • 00 I
	8 X
	• 4 • 00
04	• 32 • 00 II
	- 32 • 00
	6 X
	• 4 • 00
04	• 24 • 00 II
	• 38 • 50 ST
	50 % -
	- 19 • 25 III
	• 19 • 25
	• 38 • 50 ST
	5 % -
	- 1 • 93 III
• • • • • •	RF
02	- 2 • 00 II
	• 2 • 00
• • • • • •	RF
02	- 2 • 20 II
	• 11 • 87 I
	• 0 • 47 I
	• 22 • 50 II
	• 1 • 13 II
	• 35 • 97 TL
	• 30 • 00 CA
	- 30 • 00
	• 15 • 00 CA
	• 20 • 97 CH

Basic Operations and Setups

To cancel all items in a transaction

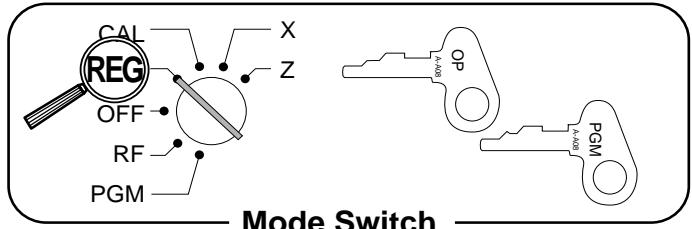
OPERATION	RECEIPT
 <p>Pressing [MD/ST] key is necessary to cancel the transaction.</p> <p>ERR CORR. CANCEL</p>	<p>12-06-96 13-10 0029</p> <p>01 1.00 I 02 2.00 II 03 3.00 I 04 4.00 II 10.00 ST * void</p>

Important!

- Note that the number of items included in the transaction to be cancelled is limited (12 ~ 15 items), depending on the complexity of the transaction. If you try to cancel a transaction that exceeds the limit, an error occurs.
- In case of occurrence of this error, register these items in the RF mode.
- You can program the cash register that this cancel operation is not allowed.

No sale registration

You can use the following procedure to open the drawer without registering a sale. This operation must be performed out of a sale.



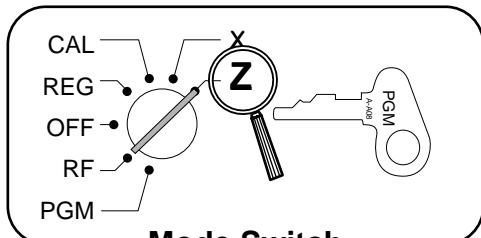
OPERATION	RECEIPT
 <p>*1 [#] NS</p>	<p>12-06-96 13-20 0030 #</p>

*1For Canada, press **[NS]** instead of **[#]** key.

Printing the Daily sales RESET report

This report shows daily sales totals.

OPERATION



Mode Switch



12 - 06 - 96	Date
13 - 30	Time
0031	Consecutive No.
000 0001 Z	Report code/RESET counter/ RESET symbol
01 15	
• 339 • 50	
02 19	Department No./No. of items ^{*1}
• 62 • 70	Department amount ^{*1}
03 31	
• 139 • 10	
04 23	
00 10	Non-link department No. of items
• 94 • 90	Non-link department amount
253	Gross No. of items
• 1146 • 90 TL	Gross sales
8	Subtraction count
• 3 • 00	Subtraction amount
10	Premium/Discount count
• 4 • 62 %	Premium/Discount amount

REPORT

• 732 • 56 I	TA	Taxable amount 1 ^{*2}
• 56 • 80 I	TX	Tax amount 1 ^{*2}
• 409 • 72 II	TA	Taxable amount 2 ^{*2}
• 21 • 55 II	TX	Tax amount 2 ^{*2}
• 272 • 50 III	TA	Taxable amount 3 (Canada only) ^{*2}
• 21 • 55 III	TX	Tax amount 3 (Canada only) ^{*2}
100	No	No. of customers
• 1217 • 63 NT		Net amount
81	No	Cash sales count
• 836 • 86 CA		Cash sales amount
10	No	Charge sales count
• 197 • 17 CH		Charge sales amount
9	No	Check sales count
• 183 • 60 CK		Check sales amount
2	No	Received on Account count
• 78 • 00 RC		Received on Account amount
1	No	Paid out count
• 6 • 80 PD		Paid out amount
10	No	Error correction count
• 12 • 76 VD		
2	No	Cancellation count
• 108 • 52 *	VD	
7	No	Refund key count ^{*3}
• 27 • 79 RF		Refund mode operation count ^{*3}
2	No	Refund mode operation amount ^{*3}
• 3 • 74 *	RF	
5	#	No sale count
• 908 • 06 CA	#	Cash in drawer amount
• 197 • 17 CH	#	Charge in drawer amount
• 183 • 60 CK		Check in drawer amount
• 000000		Non-resettable
001217 • 63		grand-sales total

^{*1} Zero totaled departments (the amount and item numbers are both zero) are not printed.

^{*2} Taxable amount and tax amount are printed only the corresponding tax table is programmed.

^{*3} These items can be skipped by programming.

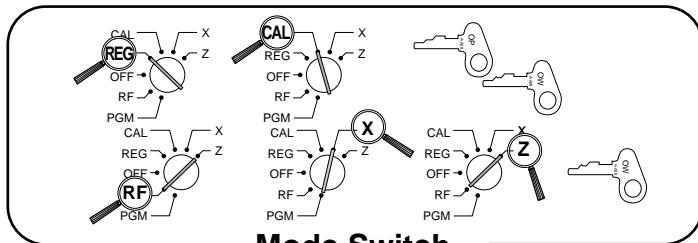
Convenient Operations and Setups

This section describes more sophisticated setups and operations that you can use to suit the needs of your retail environment.

Clerk control function Post-finalization receipt format General Printing control (receipt/journal/report) Compulsory Machine features

About the clerk control function

To keep track of the registrations performed by different clerks, specify the clerk control function. In case of selecting the clerk control function, signing on operation is necessary before registering, programming or issuing reports.



Clerk sign on

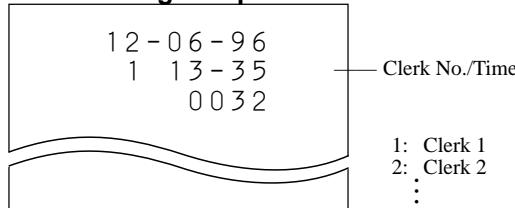
OPERATION

Signing clerk 1 on:	1	→	OPEN/CLK#
Signing clerk 2 on:	2	→	OPEN/CLK#
	⋮		⋮
Signing clerk 10 on:	1 0	→	OPEN/CLK#

Important!

- Once you select the clerk control function, the error code "E08" appears on the display whenever you try to perform a registration, a READ/RESET operation without signing on.
- You can choose either the clerk key function or the open key function.
- The signed on clerk is also identified on the receipt/journal.

Printing Sample



Clerk sign off

OPERATION

Signing clerk off:	0	→	OPEN/CLK#
--------------------	----------	---	------------------

- The current clerk is also signed off whenever you set the Mode Switch to OFF position.

About post-finalization receipt

You can issue a receipt even if in no receipt mode.

The post -finalization receipt lets you issue a receipt after finalization of the transaction.

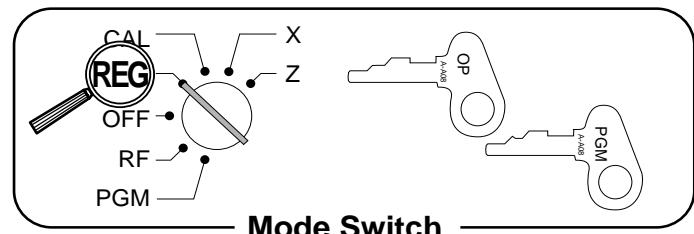
Note that all of the following conditions must be satisfied.

- The option "print receipts" is selected.
- The receipt issuance status must be OFF.
- The transaction must be finalized in the REG or RF mode using the **CA/AMT =/TEND**, **CH** or **CHK** key.

Post-finalization receipt Example

You can program the cash register to print the transaction total only (below Total format) or full details (below Detailed format) on the post-finalization receipt.

Note that if the transaction contains more than 26 lines (including receipt header), the cash register prints in a Total format regardless of your programming.



Item 1	Unit Price	\$10.00
	Quantity	1
	Dept.	1
	Taxable	1
Item 2	Unit Price	\$20.00
	Quantity	1
	Dept.	2
	Taxable	2
Payment	Cash	\$31.40

OPERATION

RECEIPT

1 0 00 + 1
2 0 00 - 2
SUB TOTAL
4 0 00 CA/AMT =/TEND
POST RECEIPT

Receipt is not issued

Post-finalization receipt is issued.

If "Automatic issue" is selected, no need to press **POST RECEIPT** key.

Total format

12-06-96
1 13-40
0033
• 31•40 CA

Detailed format

12-06-96
1 13-45
0034
01 • 10•00 I
02 • 20•00 II
• 10•00 I TA
• 0•40 I TX
• 20•00 II TA
• 1•00 II TX
• 31•40 CA

Important!

- You can issue only one post-finalization receipt per transaction.

Convenient Operations and Setups

Programming general printing control

About the contents of general printing control

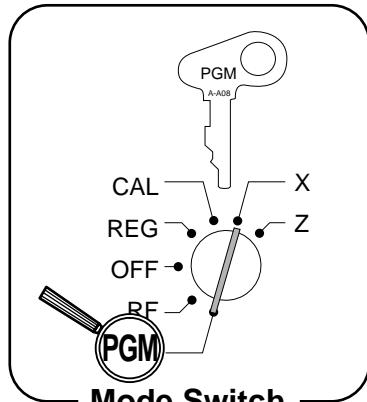
The following points are the contents of general printing control.

- Print/Not print a subtotal line on receipt/journal whenever the **SUB TOTAL** key is pressed.
- Feed/Non feed receipt/journal one line before finalization.
- Print/Skip the date on journal.
- Print/Skip item lines on journal. (JOURNAL SKIP)
- Print/Skip taxable amount subtotal of each transaction.
- Print/Skip taxable status symbols on receipt/journal.
- Print/Skip item counter (No. of item sold) line.
- Print/Skip the current time on receipt/journal.
- Print/Skip the consecutive number on receipt/journal in REG/RF modes.
- Print receipt/Print journal (If use 2-ply paper, select "Print receipt".)
- Issue post receipt by Finalize key (automatic issue)/by Post receipt key (manual issue).
- Detail format/Total format in the post receipt.

Programming procedure

default

Print/Non print a subtotal line whenever the key is pressed.	a	Non print = 0 Print = 1	<input type="checkbox"/> (a+b+c)
Feed/Non feed one line before finalization.	b	Feed = 0 Non feed = 2	
Print/Skip the date. (effective, if "Print journal" is selected)	c	Skip = 0 Print = 4	
Print/Skip item lines. (effective, if "Print journal" is selected)	d	Print = 0 Skip = 1	
Print/Skip taxable amount subtotal of each transaction.	e	Print = 0 Skip = 2	
Print/Skip taxable status symbols.	f	Print = 0 Skip = 4	
Print/Skip item counter line.	g	Skip = 0 Print = 1	
Print/Skip the current time.	h	Print = 0 Skip = 2	
Print/Skip the consecutive number.	i	Print = 0 Skip = 4	
Print receipt/Print journal	j	Receipt = 0 Journal = 1	
Issue post-receipt by Finalize key (automatic issue) /Post receipt key (manual issue)	k	Manual = 0 Automatic = 2	
Detail format/Total format in the post-receipt.	l	Detail = 0 Total = 4	



→ 3 **SUB TOTAL** → 0 5 2 2 **SUB TOTAL** → → **CA/AMT** = **TEND** → **SUB TOTAL**

Programming compulsory and clerk control function

About compulsory, clerk control function...

The following procedure lets you program a number of functions.

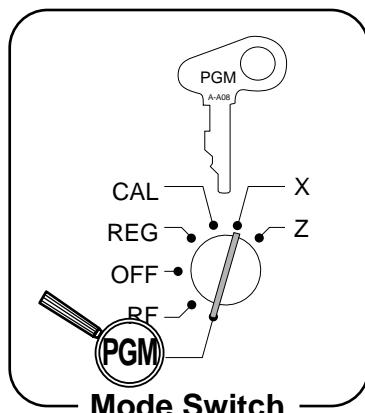
- Use **OPEN CLK#** key as "Clerk" key/"Open" key.^{*1}
- Assign "00" key/Assign "000" key.
- Reset/Not reset (to 0001) the consecutive number when the Daily RESET report is issued.
- Required/Not required to input the cash in drawer amount before the daily READ/RESET report. (MONEY DECLARATION)
- Prohibit/Allow the cancel operation.
- Force **SUB TOTAL** key operation before finalization.
- Clear the key buffer when the transaction is terminated.
- Display Hour/Minute/Second or Hour/Minute on time display.

^{*1} Effective only after all RESET reports are issued.

Programming procedure

default

Use "Clerk" function/Use "Open" function	a	Open = 0 Clerk = 1	<input type="checkbox"/>
Assign "00" key/Assign "000" key	b	"00" = 0 "000" = 4	<input type="checkbox"/> (a+b)
Reset/Not reset the consecutive number	c	Reset = 0 Non reset = 2	<input type="checkbox"/>
Prohibit/Allow the cancel operation.	d	Allow = 0 Prohibit = 4	<input type="checkbox"/> (c+d)
Force SUB TOTAL key operation before a finalization	e	No = 0 Compulsory = 2	<input type="checkbox"/>
Required/Not required to input the cash in drawer amount before the Daily report	f	Not required = 0 Required = 4	<input type="checkbox"/> (e+f)
Clear the key buffer when the transaction is terminated	g	Not clear = 0 Clear = 1	<input type="checkbox"/>
Display "seconds" during time display.	h	Suppress = 0 Display = 4	<input type="checkbox"/> (g+h)



→ 3 **SUB TOTAL** → 0 6 2 2 **SUB TOTAL** → → **CA/AMT = / TEND** → **SUB TOTAL**

Convenient Operations and Setups

Programming READ/RESET report printing control

About READ/RESET printing control

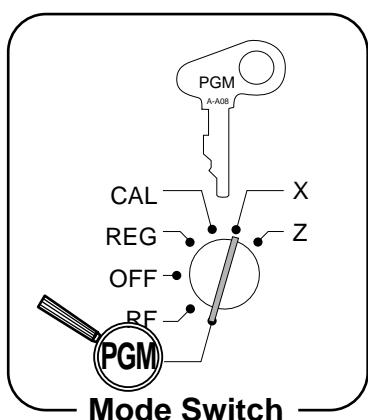
The following procedure lets you program a number of functions.

- Print/Skip the RF mode and RF key totals and counters on the daily and periodic report.
- Print/Skip the grand total on the daily reset report.

Programming READ/RESET printing control

default

Print/Skip RF mode and RF key totals on the daily and periodic report.	a	Print = 0 Skip = 1	(a+b)
Print/Skip the grand total on the daily reset report.	b	Print = 0 Skip = 2	

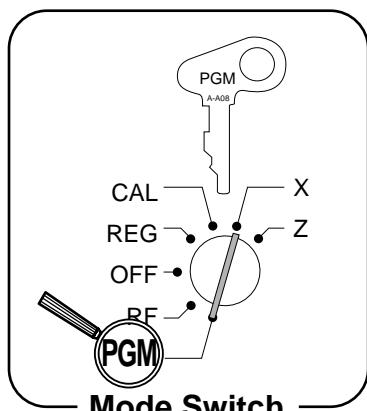


→ 3 [SUB TOTAL] → 0 8 2 2 [SUB TOTAL] → 0 [] 0 0 → CA/AMT [= /TEND] → [SUB TOTAL]



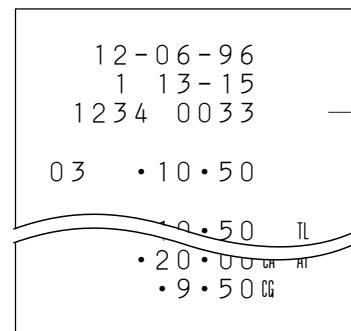
Setting a store/machine number

You can set a 4-digit machine number to identify your machine, the machine number is printed on receipts/journal for each transaction.



→ 3 [SUB TOTAL] → 0 2 2 2 [SUB TOTAL] → [] Store [] Machine [] No. → CA/AMT [= /TEND] → [SUB TOTAL]

Example: 0 0 0 1 to 9 9 9 9, 0 0 0 0 means no machine number.



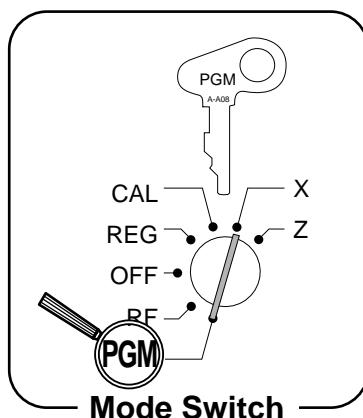
Machine No./
Consecutive No.

Setting/Editing the store telephone number

You can program 4 lines of maximum 14 digits of unique number of your store, such as telephone number, tax payer code... etc.

If you want to print only the telephone number, just refer to page 21 of this manual.

The following procedure shows you how to set or edit your numbers including spaces and hyphens.



1st line:
 → 3 [SUB TOTAL] → 0 1 3 2 [SUB TOTAL] →

2nd line:
 → 3 [SUB TOTAL] → 0 2 3 2 [SUB TOTAL] →

3rd line:
 → 3 [SUB TOTAL] → 0 3 3 2 [SUB TOTAL] →

4th line:
 → 3 [SUB TOTAL] → 0 4 3 2 [SUB TOTAL] →

Enter the number within 14 digits, including spaces and hyphens.

- numerics: 0, 1 ~ 9, 00
- hyphen: -
- space: POST RECEIPT

→ CA/AMT =/TEND → [SUB TOTAL]

Example: To print	1 2 3 4 - 5 6 7 8	→ Enter as 1 2 3 4 - 5 6 7 8
	1 2 - 0 6 - 9 6	
To print	1 2 3 4 5 6 - 7 8 9	→ Enter as 1 2 3 POST RECEIPT 4 5 6 - 7 8 POST RECEIPT 9
	1 2 - 0 6 - 9 6	
To print	1 2 3 4 5 6 7 8 9 0 1 2 3 4	→ Enter as 1 2 3 4 5 6 7 8 9 0 1 2 3 4
	1 2 - 0 6 - 9 6	

Note: Entries exceed 9 digits are printed in 2 lines.

High digit limitation for departments

Locking out and releasing high digit limitation

OPERATION

RECEIPT

Item	Unit Price	\$10.50
	Quantity	1
	Dept.	3
	Taxable	(1) _{present}
	Max.digit	(3) _{present}
Payment	Cash	\$20.00

1 0 5 0 x 3
ERROR ALARM
 (Exceeding max. digits)

C
 CIAC

OPEN CLK#

Cancels limitations for next entry

1 0 5 0 x 3
 SUB TOTAL

2 0 00 CA/AMT =/TEND

1 2 - 0 6 - 9 6
 1 3 - 5 0
 1 2 3 4 0 0 3 5

0 3 • 1 0 • 5 0 I
 • 1 0 • 5 0 I TA
 • 0 • 4 2 I TX

• 1 0 • 9 2 TL
 • 2 0 • 0 0 CA AT
 • 9 • 0 8 CG

Convenient Operations and Setups

Single-Item-Sales for departments and PLUs

About the single-item-sales items

You can issue a receipt by simply touching the single-item-sales department or PLU. The following examples show how you register single-item-sale departments. Registration of single-item-sale PLUs is identical.

Example 1

			OPERATION	RECEIPT
Item	Unit Price	\$2.00		
	Quantity	1	2 00 ÷ 4	12-06-96 1 14-00 1234 0036
	Dept.	4		04 • 2 • 00 II • 2 • 00 II TA • 0 • 10 II TX • 2 • 10 CA
	Taxable	2		
	Sales Status	Single-Item		

Example 2

			OPERATION	RECEIPT
Item	Unit Price	(\$3.00) _{preset}		
	Quantity	3	3 X/DATE ÷ 4	12-06-96 1 14-10 1234 0037
	Dept.	4		3 X • 3 • 00 a • 9 • 00 II • 9 • 00 II TA • 0 • 45 II TX • 9 • 45 CA
	Taxable	2		
	Sales Status	Single-Item		

Example 3

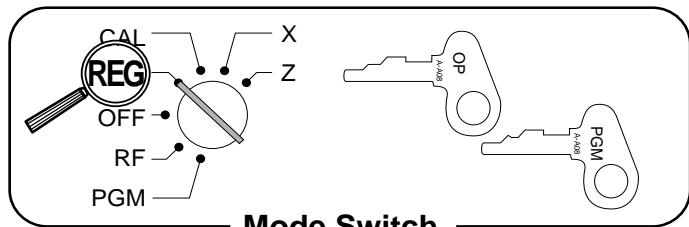
			OPERATION	RECEIPT
Item 1	Unit Price	\$2.00		
	Quantity	1	2 00 x 3	
	Dept.	3	5 00 ÷ 4	12-06-96 1 14-20 1234 0038
	Taxable	2		03 • 2 • 00 II 04 • 5 • 00 II • 7 • 00 II TA • 0 • 35 II TX • 7 • 35 CA
	Sales Status	Normal		
Item 2	Unit Price	\$5.00		
	Quantity	1		
	Dept.	4		
	Taxable	2		
	Sales Status	Single-Item		
Tender	Cash	\$7.35		

Note: The single-item-sales department or PLU should be registered at the top of the transaction, otherwise the transaction is not finalized. It is necessary to press **CA/AMT/TEND**, **CH** or **CHK** key.

Registering Sub-departments

Registering Sub-departments

The following examples show how you can use Sub-departments in various types of registrations. Registering by PLU, see the "Basic Operations and setups" on page 36.



Mode Switch

Sub-department Single-Item-Sale

OPERATION

Item	Unit Price	\$6.00
	Quantity	1
	Sub-Dept.	15
	Taxable	(1) _{preset}
Payment	Cash	\$10.00

1 5 PLU/
S.DEPT
PLU (Sub-
department) code
6 00 PRICE
Unit price
1 0 00 CA/AMT
SUB TOTAL
= TEND

RECEIPT

12 - 06 - 96
1 14 - 30
1234 0039
015 • 6 • 00 I
• 6 • 00 I TA
• 0 • 24 I TX
• 6 • 24 TL
• 10 • 00 CA AT
• 3 • 76 CG

Sub-department Repeat

OPERATION

Item 1	Unit Price	(\$3.00) _{preset}
	Quantity	3
	Sub-Dept.	15
	Taxable	(1) _{preset}
Item 2	Unit Price	\$2.00
	Quantity	2
	Sub-Dept.	15
	Taxable	(1) _{preset}
Payment	Cash	\$20.00

1 5 PLU/
S.DEPT
PRICE
Hit PRICE without a unit price
recalls preset price.
PRICE
PRICE
1 5 PLU/
S.DEPT
2 00 PRICE
PRICE
SUB TOTAL
= TEND

RECEIPT

12 - 06 - 96
1 14 - 40
1234 0040
015 • 3 • 00 I
015 • 3 • 00 I
015 • 3 • 00 I
015 • 2 • 00 I
015 • 2 • 00 I
• 13 • 00 I TA
• 0 • 52 I TX
• 13 • 52 TL
• 20 • 00 CA AT
• 6 • 48 CG

Convenient Operations and Setups

Sub-department Multiplication

	Unit Price	\$6.00
Item	Quantity	1.25
	Sub-Dept.	15
	Taxable	(1) _{present}
Payment	Cash	\$10.00

OPERATION

Quantity (4-digit integer/2-digit decimal)

RECEIPT

12 - 06 - 96
 1 14 - 50
 1234 0041
 1.25 X
 • 6.00 a
 • 7.50 I
 • 7.50 I TA
 • 0.30 I TX
 • 7.80 TL
 • 10.00 CA AT
 • 2.20 CG

Sub-department Spilt Sales of Packaged Item

OPERATION

	Unit Price	12 for \$30.00
Item	Quantity	7
	Sub-Dept.	37
	Taxable	(1) _{present}
Payment	Cash	\$20.00

Quantity being purchased (4-digit integer/2-digit decimal)

 Package quantity (4-digit integer/2-digit decimal)

RECEIPT

12 - 06 - 96
 1 15 - 00
 1234 0042
 7 X
 12
 • 30.00 a
 • 17.50 I
 • 17.50 I TA
 • 0.70 I TX
 • 18.20 TL
 • 20.00 CA AT
 • 1.80 CG

To program the tax calculation status and maximum entering digits for each department.

Tax calculation status

This digit defines which tax table should be used for automatic tax calculation. See page 15 for information on setting up the tax tables.

U.S.A.

Tax Table 1	⇒	1
Tax Table 2	⇒	2
Tax Table 1 and 2	⇒	3
No tax calculation	⇒	0

Canada

Tax Table 1	⇒	1
Tax Table 1 and 2	⇒	2
Tax Table 1 and 3	⇒	3
No tax calculation	⇒	0

Single-Item status/Negative department status

This digit defines single-item status and negative department.

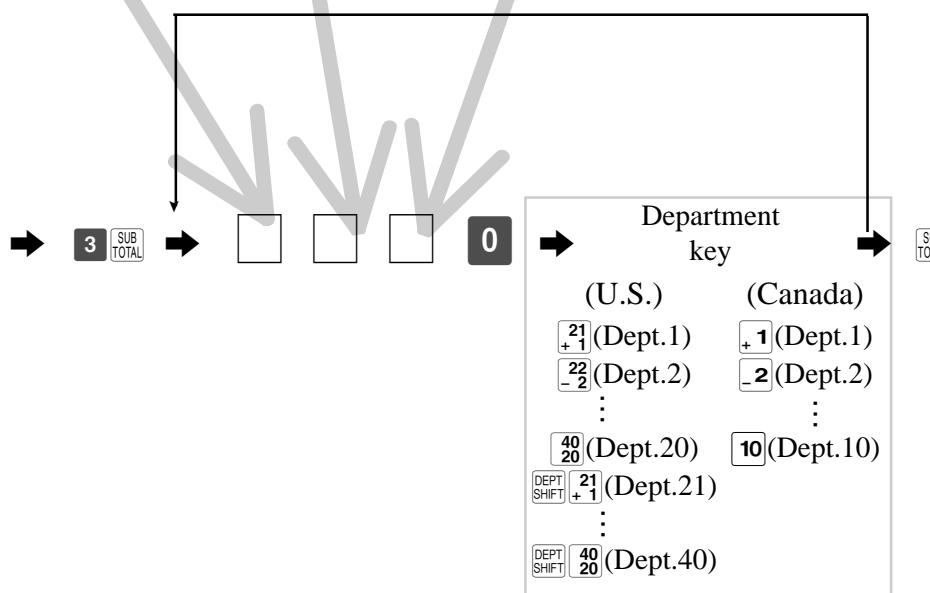
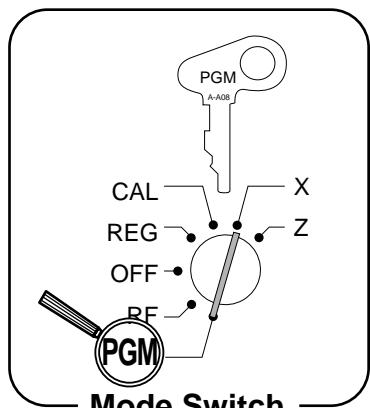
Normal dept.	⇒	0
Single item dept.	⇒	1
Negative dept.	⇒	2
Single item/ Negative dept.	⇒	3

Maximum entering digits

This specification defines how many digits can be used for manual input of a unit price on the keyboard.

No limit	⇒	0
1 digit	⇒	1
2 digits	⇒	2
⋮		
5 digits	⇒	5
6 digits	⇒	6
Manual input not allowed	⇒	9

Selecting **9** means that you can perform department registration using their preset unit price only.



Convenient Operations and Setups

To program PLU links to departments, tax calculation status and PLU/Sub-department selections

Single-Item status/Negative PLU status/PLU, Sub-dept. selection

This digit defines single-item status and negative department.

Normal PLU	⇒	0
Single item PLU	⇒	1
Negative PLU	⇒	2
Single item/ Negative PLU	⇒	3
Normal Sub-dept.	⇒	4
Single item Sub-dept.	⇒	5
Negative Sub-dept.	⇒	6
Single item/ Negative Sub-dept.	⇒	7

Note:

- PLU: Register only its preset price
- Sub-department: Register its preset price and manually entered price.

Tax calculation status

This digit defines which tax table should be used for automatic tax calculation. See page 15 for information on setting up the tax tables.

U.S.

Tax Table 1	⇒	1
Tax Table 2	⇒	2
Tax Table 1 and 2	⇒	3
No tax calculation	⇒	0

Canada

Tax Table 1	⇒	1
Tax Table 1 and 2	⇒	2
Tax Table 1 and 3	⇒	3
No tax calculation	⇒	0

Linked department

This specification links the PLU to a department

U.S.

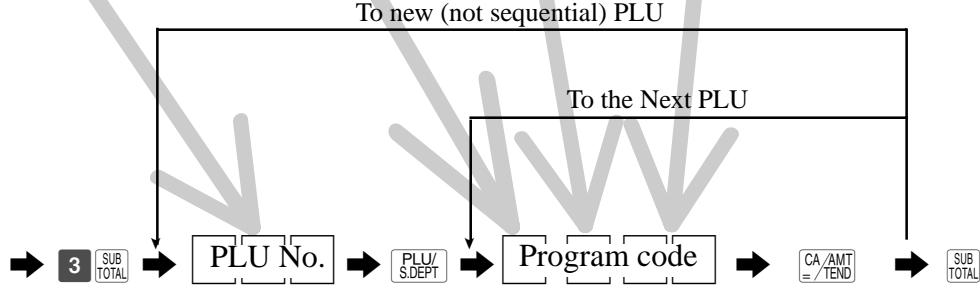
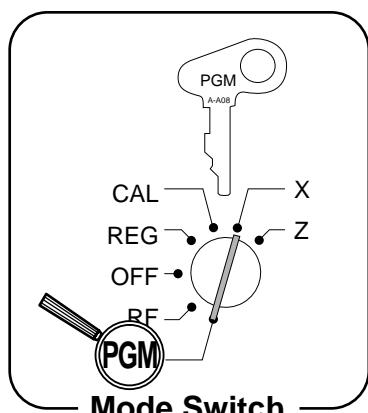
Department 1	⇒	0	1
⋮			
Department 40	⇒	4	0
No link	⇒	0	0

Canada

Department 1	⇒	0	1
⋮			
Department 10	⇒	1	0
No link	⇒	0	0

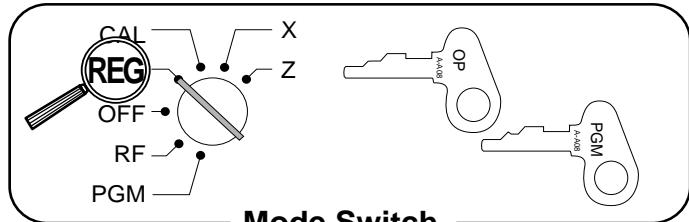
PLU No.

1 to 4 0 0 (U.S.)
1 to 3 0 0 (Canada)



Registering discounts and premiums

The following example shows how you can use the **%** key as premium in various types of registration. Note: Before registering premium, you should define the **%** key as premium key. See the next page.



Mode Switch

Discount for Items and subtotals

Refer to "Preparing and using discounts" in "Basic Operations and Setups" on page 40.

Premium for Items and subtotals

			OPERATION	RECEIPT
Item 1	Unit Price	(\$10.00) _{preset}	4 7 %	12 - 06 - 96 1 15 - 10 1234 0043
	Quantity	1		04 • 10 • 00 II 7 %
	Dept.	4		• 0 • 70 II
	Taxable	(2) _{preset}		• 5 • 00 II
Premium	Rate	7%	3 2 PLU/S.DEPT MD/ST	• 15 • 70 ST 5 %
Item 2	Unit Price	(\$5.00) _{preset}	%	• 0 • 79 III
	Quantity	1		• 16 • 49 II TA
	PLU	32		• 0 • 82 II TX
	Taxable	(2) _{preset}	SUB TOTAL	• 17 • 31 TL
Subtotal	Rate	(5%) _{preset}	2 0 00 CA/AMT =/TEND	• 20 • 00 CA AT
premium	Taxable	(1 and 2) _{preset}		• 2 • 69 CG
Payment	Cash	\$20.00		

- You can manually input rates up to 4 digits long (0.01% to 99.99%).

Taxable status of the **%** key

- Whenever you perform a discount/premium operation on the last item registered, the tax calculation for discount/premium amount is performed in accordance with the tax status programmed for that item.
- Whenever you perform a discount/premium operation on a subtotal amount, the tax calculation for the subtotal amount is performed in accordance with the tax status programmed for the **%** key.

Convenient Operations and Setups

Programming discounts and premiums

You can use the **%** key to register either discounts (percentage decreases) or premium (percentage increases). The following procedures let you select the operation you want for **%** key. They also let you program a preset rate, the tax calculation method and the tax rounding method.

To program discount or premium rate.

Refer to "Preparing and using discounts" in "Basic Operations and Setups" on page 40.

To program tax calculation status, tax rounding method and the key attribution.

Tax calculation status

This specification defines where the result of the percent calculation on a subtotal should be reflected (added to or subtracted from) for tax purposes.

Note that this specification is for calculations with subtotal only, and is not applied for calculations involving individual items.

U.S.

Tax Table 1	⇒ 1
Tax Table 2	⇒ 2
Tax Table 1 and 2	⇒ 3
No tax calculation	⇒ 0

Canada

Tax Table 1	⇒ 1
Tax Table 1 and 2	⇒ 2
Tax Table 1 and 3	⇒ 3
All taxable	⇒ 4
No tax calculation	⇒ 0

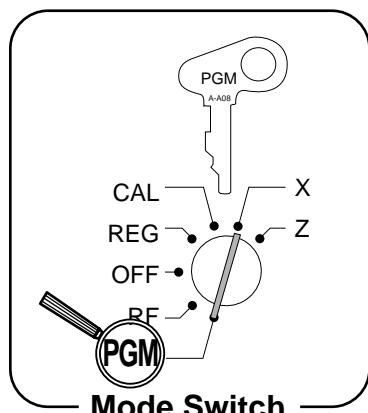
Tax rounding method

This specification defines the method use to round the result of a percentage calculation.

Round off	⇒ 0
Cut off	⇒ 1
Round up	⇒ 2

Key attribution

- Use as discount key (%-)
- ⇒ 0
- Use as premium key (%+)
- ⇒ 1



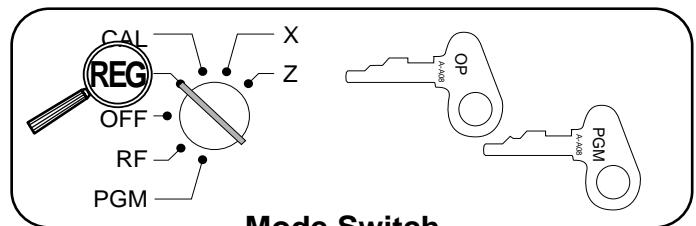
Registering manually entered tax amounts

You can program the cash register to change the function of the **%** key to that of a **M-TAX** (Manual Tax) key. The **M-TAX** key is used to register manually entered tax amounts.

Important!

If you program the cash register to perform registrations with manually entered tax amounts, the **%** key replaces the **%** key, so discount/premium registration to be impossible.

Registering manual tax



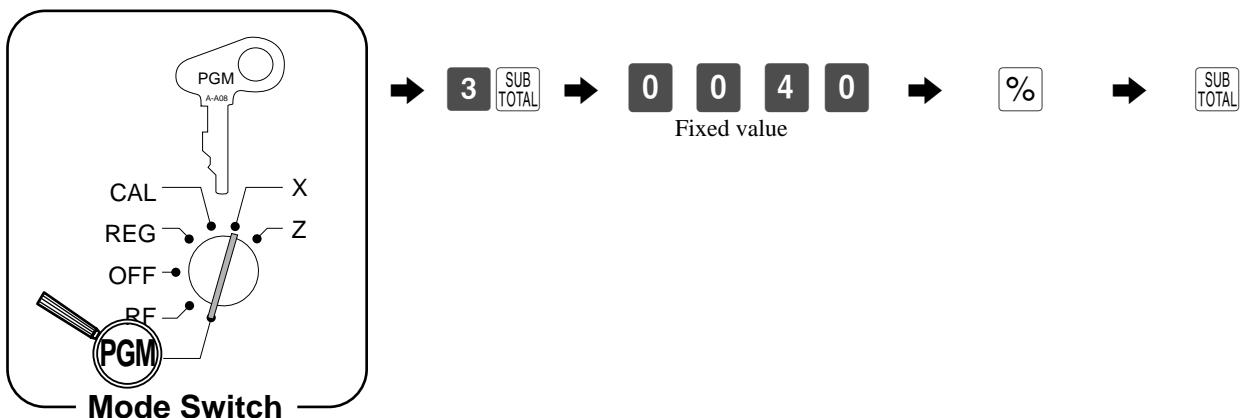
Example

	OPERATION		RECEIPT
Item 1	Unit Price	\$10.00	
	Quantity	1	
	Dept.	1	
	Taxable	No	
	M-TAX	Normal	
Item 2	Unit Price	\$20.00	
	Quantity	1	
	Dept.	2	
	Taxable	2	
	Tender	Cash \$32.00	

1 0 00 + 1
5 0 M-TAX
% key is assigned to M-TAX key.
2 0 00 - 2
SUB TOTAL
3 2 00 CA/AMT = TEND

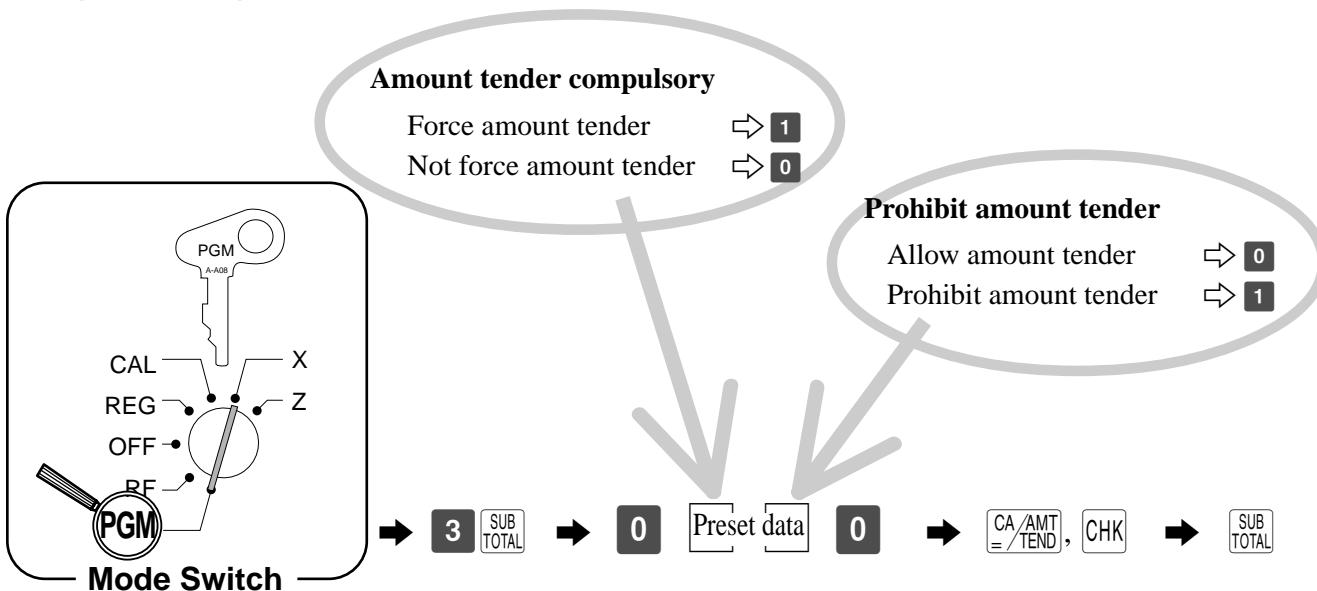
12 - 06 - 96
1 15 - 20
1234 0044
01 • 10 • 00
• 0 • 50 TX
02 • 20 • 00 II TA
• 20 • 00 II TA
• 1 • 00 II TX
• 31 • 50 TL
• 32 • 00 CA AT
• 0 • 50 CG

Programming for manually input tax registration

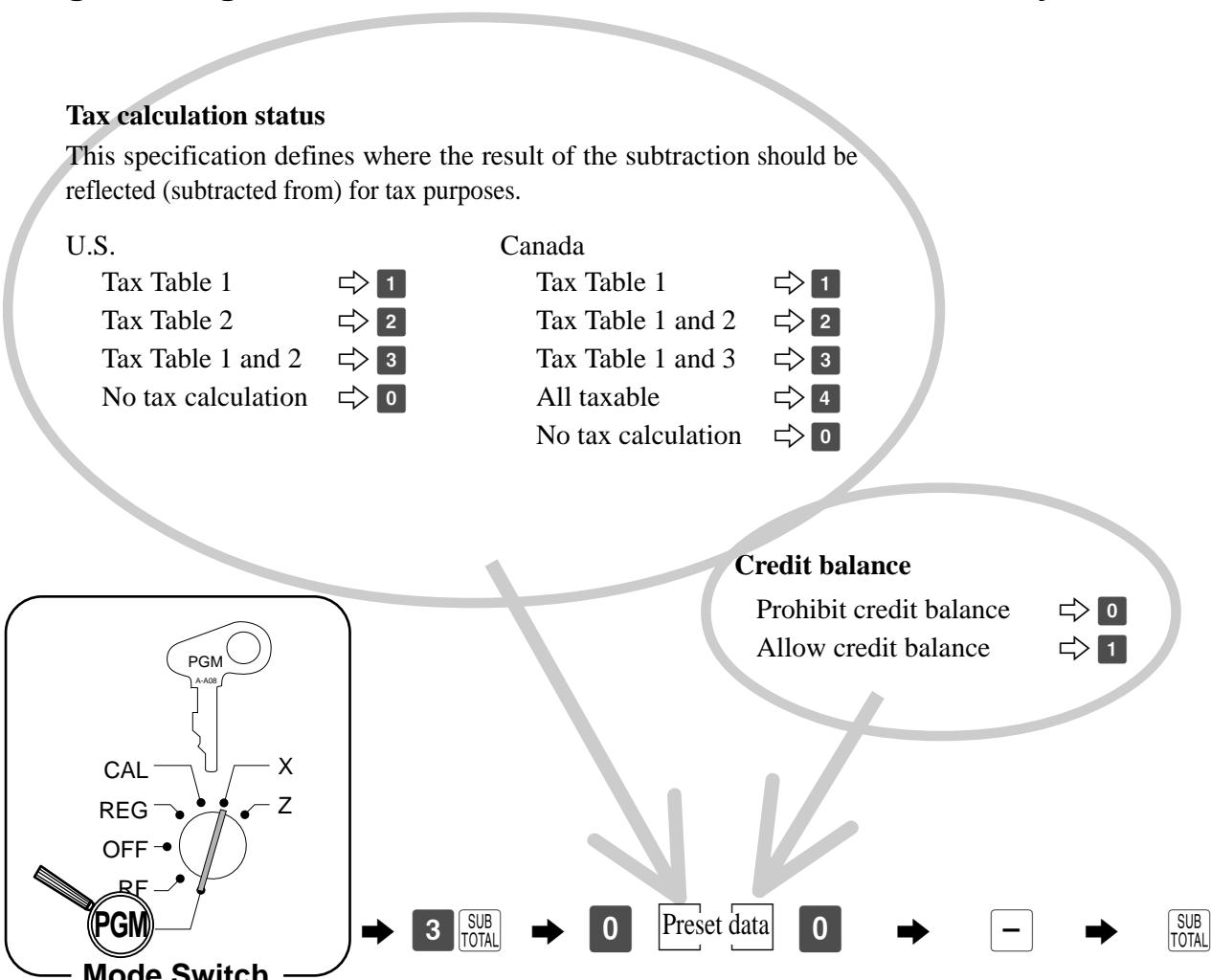


Other programmable options

Programming amount tender compulsory and prohibit amount tender

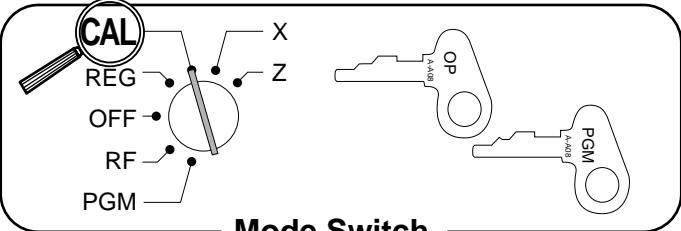


Programming credit balance and tax status to subtraction key

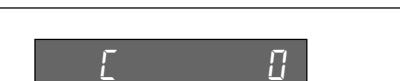


Calculator functions

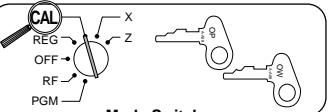
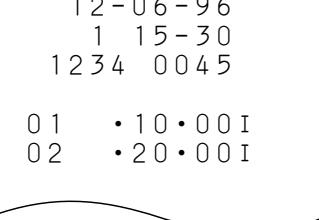
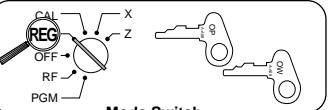
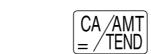
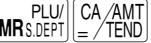
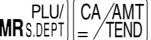
While registering at the REG mode, you can switch to CAL mode and then return to REG mode to resume the registration.



Example 1 (Calculation examples)

OPERATION	DISPLAY
	
	
	
	

Example 2 (Memory recall)

OPERATION		DISPLAY/RECEIPT									
Item 1	<table border="1"> <tr> <td>Unit Price</td><td>\$10.00</td></tr> <tr> <td>Quantity</td><td>1</td></tr> <tr> <td>Dept.</td><td>1</td></tr> <tr> <td>Taxable</td><td>(1)_{preset}</td></tr> </table>	Unit Price	\$10.00	Quantity	1	Dept.	1	Taxable	(1) _{preset}	  	
Unit Price	\$10.00										
Quantity	1										
Dept.	1										
Taxable	(1) _{preset}										
Item 2	<table border="1"> <tr> <td>Unit Price</td><td>\$20.00</td></tr> <tr> <td>Quantity</td><td>1</td></tr> <tr> <td>Dept.</td><td>2</td></tr> <tr> <td>Taxable</td><td>(1)_{preset}</td></tr> </table>	Unit Price	\$20.00	Quantity	1	Dept.	2	Taxable	(1) _{preset}		
Unit Price	\$20.00										
Quantity	1										
Dept.	2										
Taxable	(1) _{preset}										
Payment by 3 persons Cash \$10.40 each		<p>Memory recall: Recalls subtotal amount</p>  Divide the subtotal by 3 persons.									
		 									
		<p>Memory recall: Recalls the result amount</p>   									

Convenient Operations and Setups

Note:

1. Pressing **PLU/S/DEPT** key in the CAL mode recalls
 - ① Current subtotal (During registration)
 - ② The last amount (Registration has been completed)
2. Pressing **PLU/S/DEPT** key in the REG mode recalls
The current result by pressing **CA/AMT** key at the CAL mode.

Programming calculator mode control

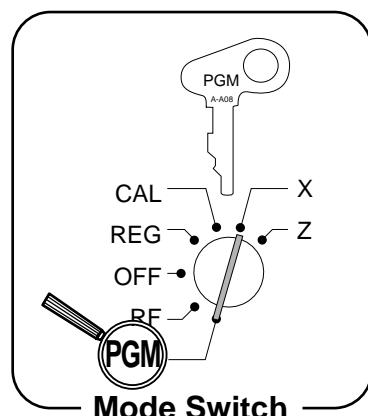
The following procedure lets you program a number of functions in CAL mode.

- Open/Not open the cash drawer when the "Equal" key (**CA/AMT** key on the keyboard) is pressed.
- Open/Not open the cash drawer when the "Drawer open" key (**#NS** or **NS** key on the keyboard) is pressed.
- Print/Skip the "Equal" key total/count on the daily READ/RESET report.

default

Open/Not open drawer when the CA/AMT (equal) key is pressed in CAL mode.	a	Not open = 0 Open = 1
Open/Not open drawer when the #NS / NS (drawer open) key is pressed in CAL mode.	b	Not open = 0 Open = 2
Print/Skip the CA/AMT (equal) key total and count on the daily report.	c	Print = 0 Skip = 4

(a+b+c)



→ 3 **SUB TOTAL** → 1 0 2 2 **SUB TOTAL** → 0 0 0 → **CA/AMT** → **SUB TOTAL**

Printing READ/RESET reports

- **READ report**

You can print READ reports at any time during the business day without affecting the data stored in the cash register's memory.

- **RESET report**

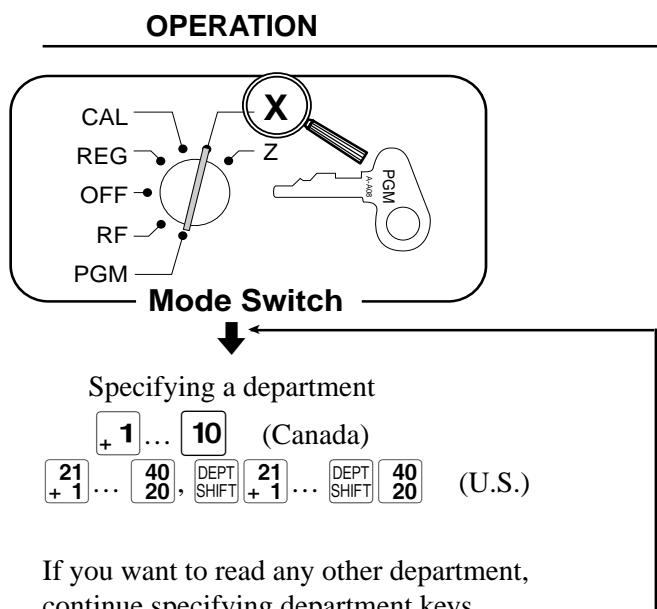
You should print RESET reports at the end of the business day.

Important!

- **The RESET operation issues a report and also clears all sales data from the cash register's memory.**
- **Be sure to perform the RESET operations at the end of each business day. Otherwise, you will not be able to distinguish between the sales data for different dates.**

To print the individual department READ report

This report shows sales for specific departments.



If you want to read any other department, continue specifying department keys ...



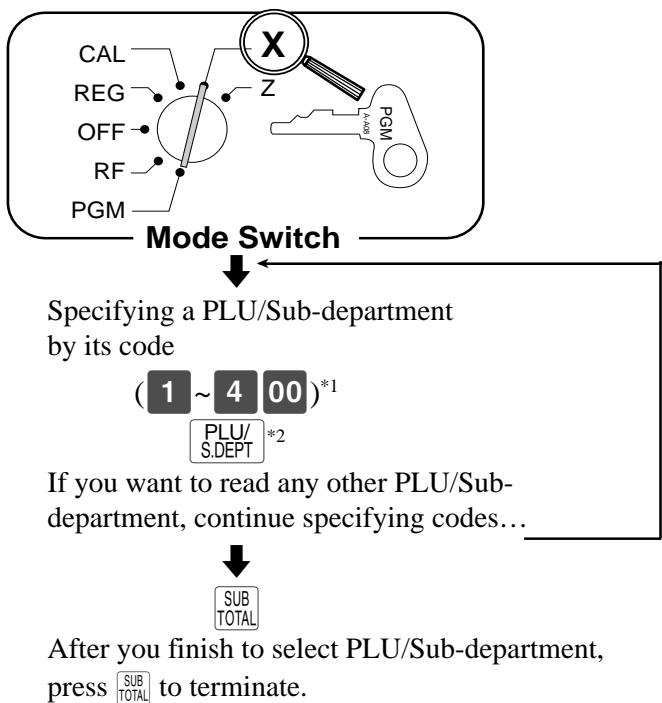
After you finish to select departments, press **SUB TOTAL** to terminate.

Convenient Operations and Setups

To print the individual PLU/sub-department READ report

This report shows sales for specific PLUs/sub-departments.

OPERATION



REPORT

12 - 06 - 96	Date
1 15 - 50	Clerk No./Time
1234 0047	Machine No./Consecutive No.
X	READ symbol
003 21	PLU/Sub-department No./No. of items
050 12	PLU/Sub-department amount
021 13	
• 27 • 30	
• 36 • 00	
• 65 • 36	
46	Total No. of items
• 128 • 30 TL	Total amount

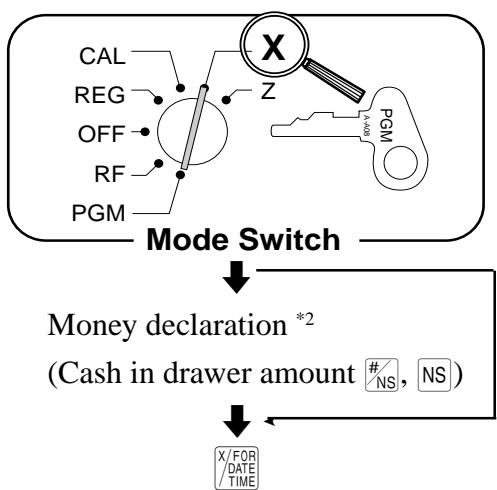
*1 1 ~ 3 00 for Canada

*2 Press **PLU/ S.DEPT** directly to specify the next PLU/Sub-department.

To print the financial READ report

This report shows gross sales, net sales, cash in drawer and check in drawer.

OPERATION



REPORT

12 - 06 - 96	Date
1 16 - 00	Clerk No./Time
1234 0048	Machine No./Consecutive No.
X	READ symbol
253	
• 1146 • 90 TL	Gross No. of items
100	Gross amount
No	Net No. of customers
• 1217 • 63 NT	Net amount
• 908 • 06 CA #	Cash in drawer (b)
• 908 • 06 #	Declared amount (a)
• 0 • 00	Difference (a) with (b)
• 125 • 97 CH #	Charge in drawer
• 183 • 60 CK	Check in drawer

*2 Money declaration:

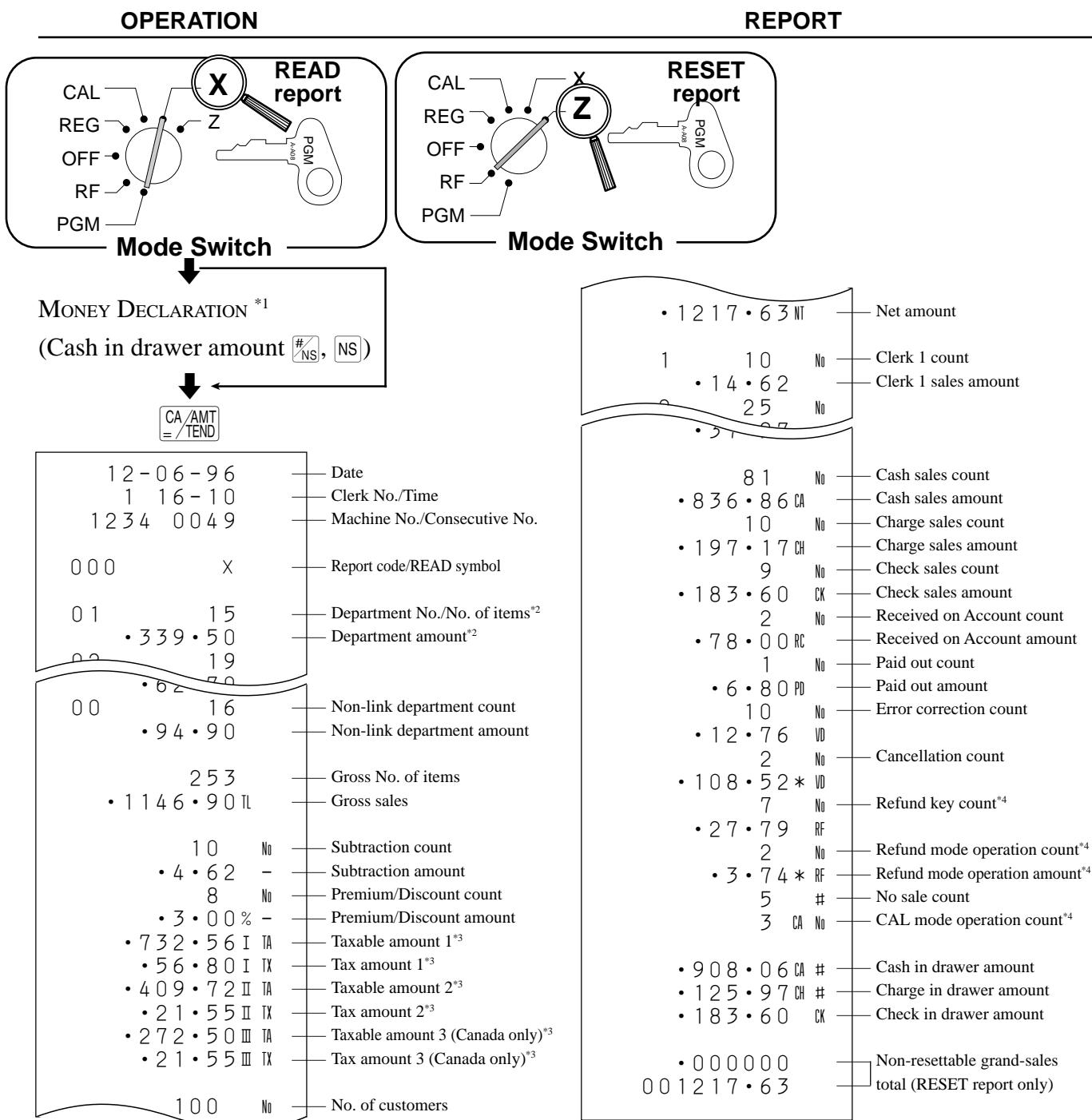
Count how much cash is in the drawer and input this amount (up to 8 digits).

The cash register will automatically compare the input with the cash in drawer in the memory and print the difference between these two amounts.

Note that if money declaration is required by programming (page 57), you cannot skip this procedure.

To print the daily sales READ/RESET report

This report shows sales except for PLUs.



*1 Money declaration:

Count how much cash is in the drawer and input this amount (up to 8 digits).

The cash register will automatically compare the input with the cash in drawer in the memory and print the difference between these two amounts.

Note that if money declaration is required by programming (page 57), you cannot skip this procedure.

*2 Zero totaled departments (the amount and item numbers are both zero) are not printed.

*3 Taxable amount and tax amount are printed only the corresponding tax table is programmed.

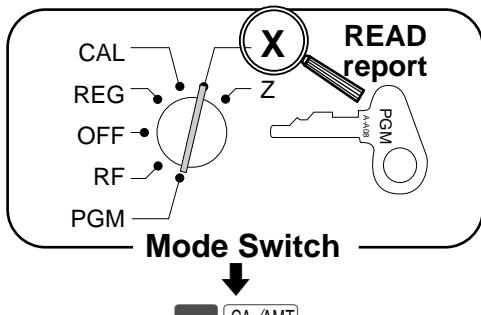
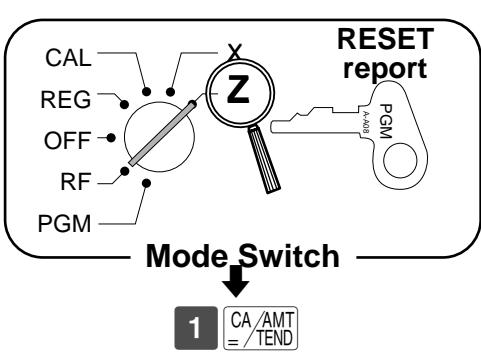
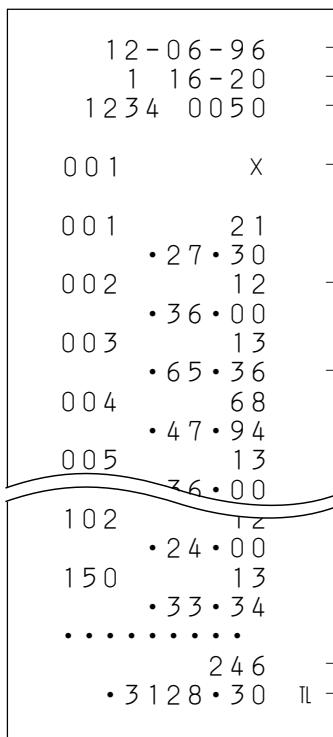
*4 These items can be skipped by programming.

5 The "" symbol is printed on the RESET report, memory overflow occurred in the totalizer.

Convenient Operations and Setups

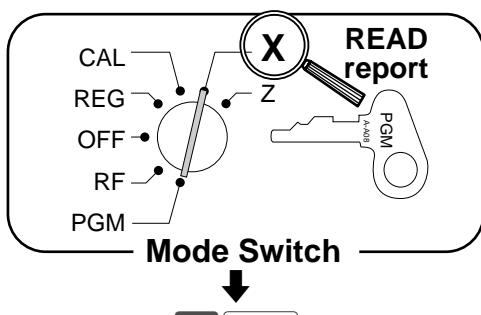
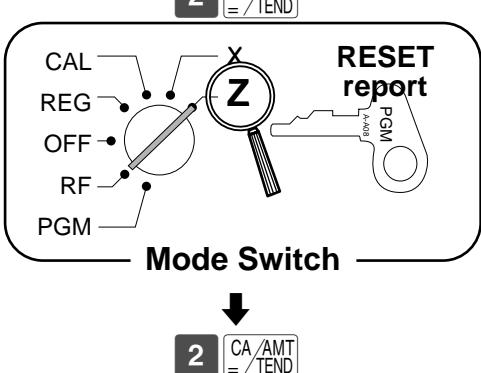
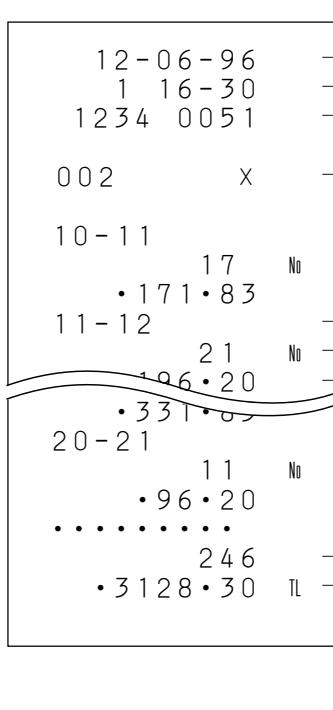
To print the PLU/sub-department READ/RESET report

This report shows sales for PLUs/sub-departments.

OPERATION		REPORT	
			<ul style="list-style-type: none"> Date Clerk No./Time Machine No./Consecutive No. READ symbol (RESET symbol and counter are printed on RESET report) PLU/Sub-department No./No. of items PLU/Sub-department amount Total No. of items Total amount
1 CA/AMT	1 CA/AMT	12-06-96 1 16-20 1234 0050 001 X 001 21 002 12 003 13 004 13 005 13 102 12 150 13 246 3128 30 TL	

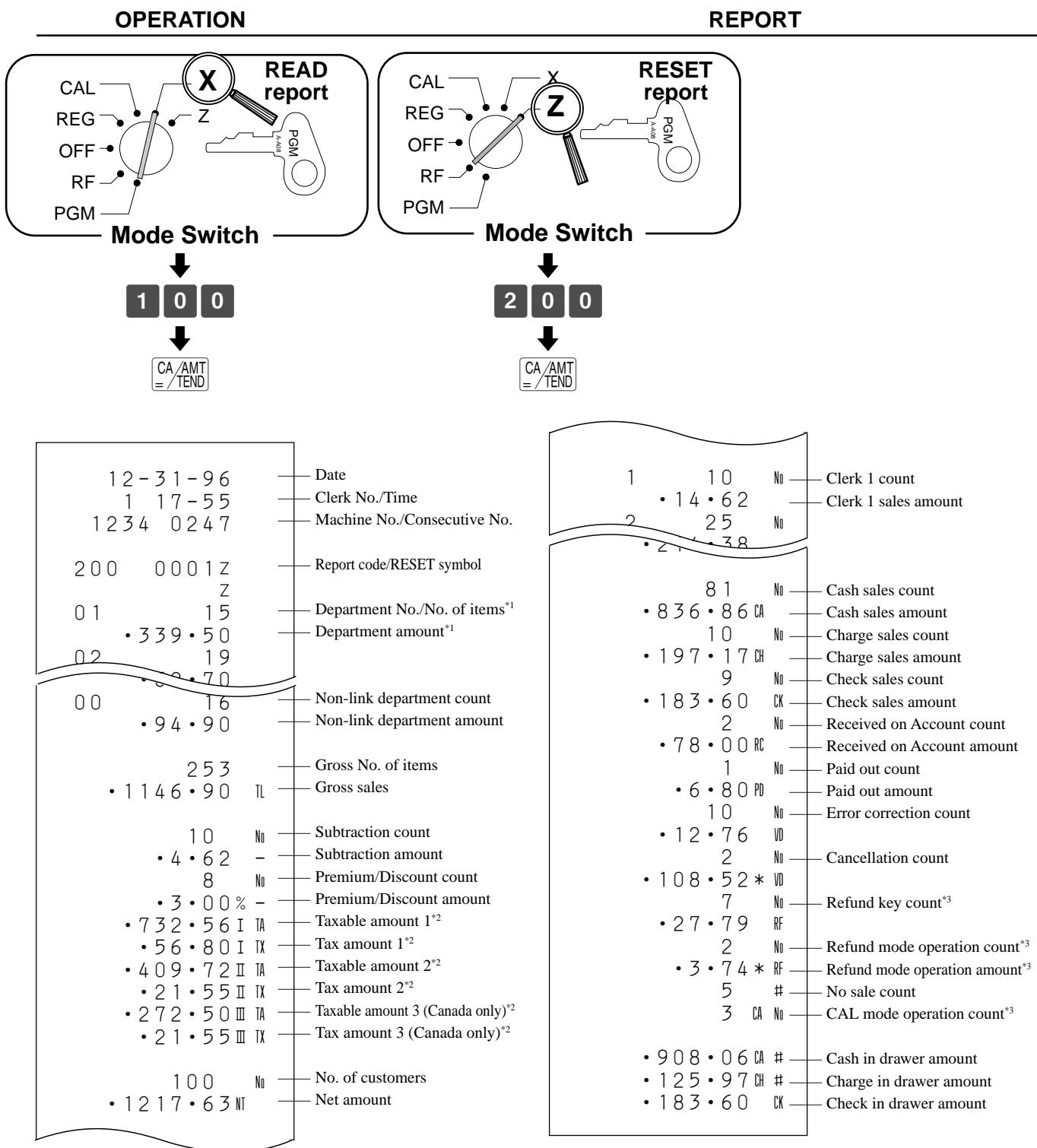
To print the hourly sales READ/RESET report

This report shows hourly breakdowns of sales.

OPERATION		REPORT	
			<ul style="list-style-type: none"> Date Clerk No./Time Machine No./Consecutive No. READ symbol (RESET symbol and counter are printed on RESET report) Time zone No. of customers Amount Total No. of items Total amount
2 CA/AMT	2 CA/AMT	12-06-96 1 16-30 1234 0051 002 X 10-11 17 11-12 21 246 3128 30 TL	

To print the periodic sales READ/RESET report

This report shows sales breakdowns of sales by any period you want.



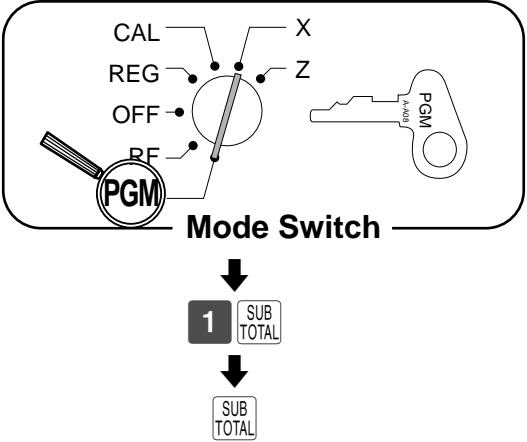
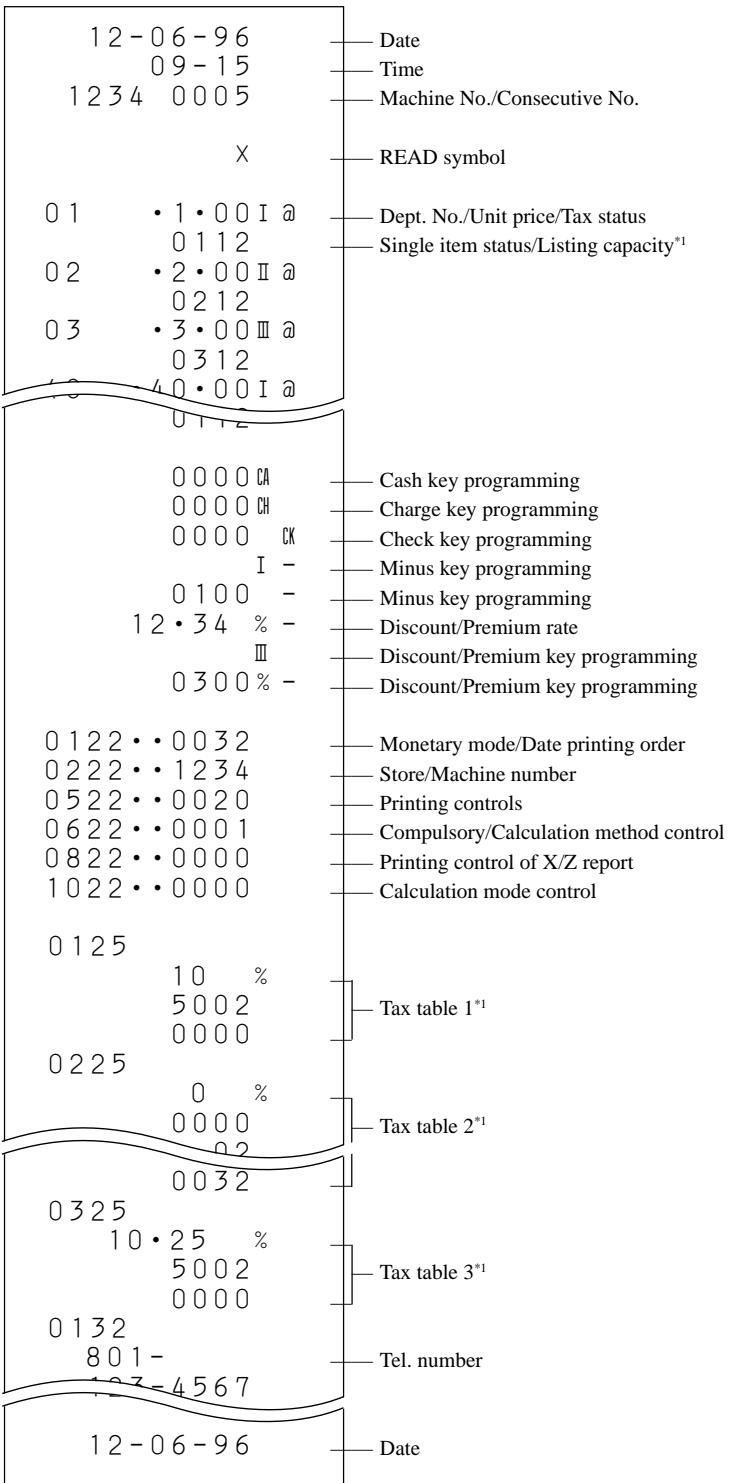
^{*1} Zero totalled departments (the amount and item numbers are both zero) are not printed.

^{*2} Taxable amount and tax amount are printed only the corresponding tax table is programmed.

^{*3} These items can be skipped by programming.

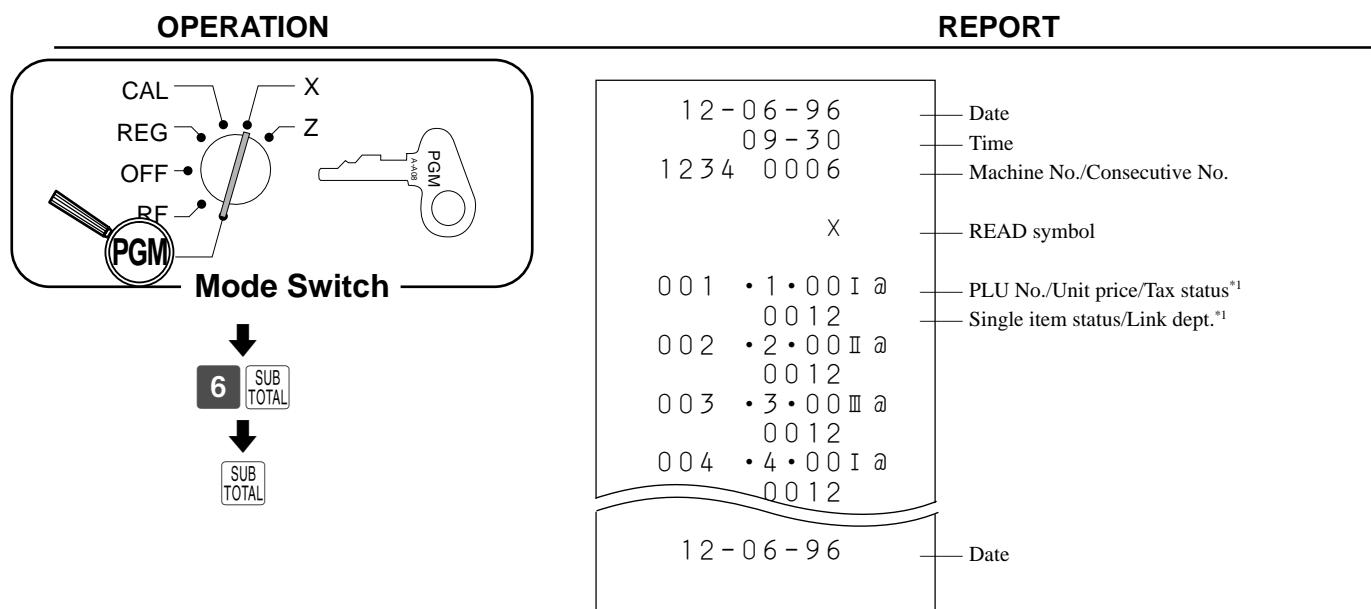
Printing the cash register's program

To print programming (except PLU)

OPERATION	REPORT
	

*1 Department or tax table without being programmed are not printed on this report.

To print programming



*¹ PLU without being programmed is not printed on this report.

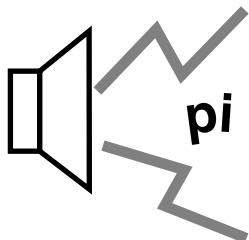
Troubleshooting

This section describes what to do when you have problems with operation.

When an error occurs...

Errors are indicated by an error tone. When this happens, you can usually find out what the problem is as illustrated below.

ERROR TONE



Does the display show an error code?

No
↓

Yes
↓

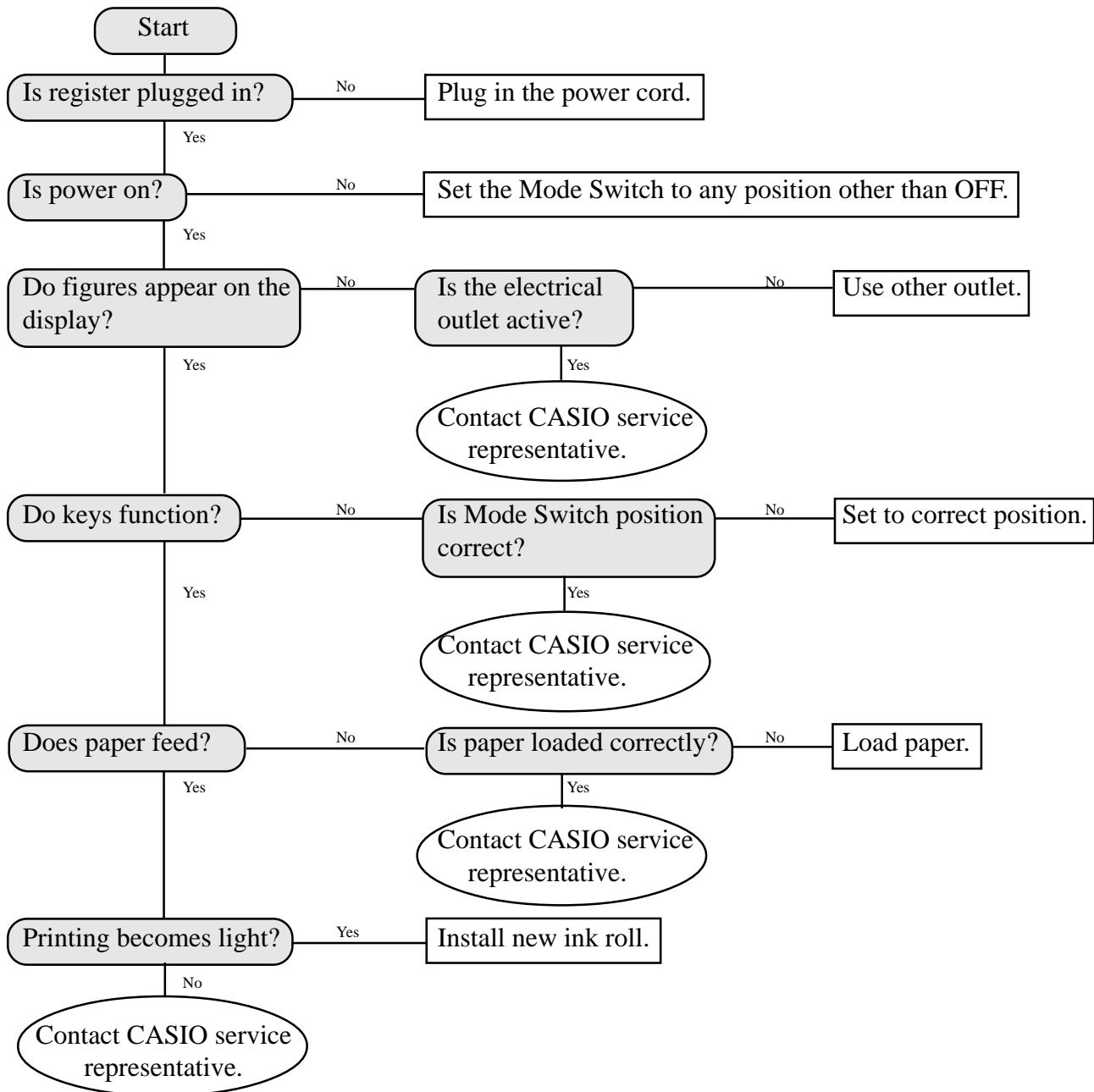
Error Code	Meaning	Action
E01	Mode Switch position changed before finalization.	Return the Mode Switch to its original setting and finalize the operation.
E08	Registration without entering a clerk number. This error appears only when the clerk control function is activated.	Enter a clerk number.
E27	Transaction cancel buffer is full.	Finalize the transaction.
E31	Finalization of a transaction attempted without confirming the subtotal.	Press the <small>SUB TOTAL</small> key.
E33	Finalize operation attempted without entering amount tendered.	Enter the amount tendered.
E38	READ/RESET operation without declaring cash in drawer. This error appears only when this function is activated.	Perform money declaration.
E94	Printer error.	Turn the power off, and remove jammed paper from the printer.

Press CAC key and check the appropriate section of this manual for the operation you want to perform.

Troubleshooting

When the register does not operate at all...

Perform the following check whenever the cash register enter an error condition as soon as you switch it on. The results of this check are required by service personnel, so be sure to perform this check before you contact a CASIO representative for servicing.



Troubleshooting

In case of power failure...

If the power supply to the cash register is cut by a power failure or any other reason, simply wait for power to be restored. The details of any on-going transaction as well as all sales data in memory are protected by the memory backup batteries.

- Power failure during a registration

The subtotal for items registered up to the power failure is retained in memory. You will be able to continue with the registration when power is restored.

- Power failure during printing a READ/RESET report

The data already printed before the power failure is retained in memory. You will be able to issue a report when power is restored.

- Power failure during printing of a receipt and the journal

Printing will resume after power is restored. A line that was being printed when the power failure occurred is printed in full.

- Other

The power failure symbol is printed and any item that was being printed when the power failure occurred is reprinted in full.

Important!

Once receipt/journal printing or printing of a report starts, it can be stopped only by interruption of power to the cash register.

When the L sign appears on the display

About the low battery indicator...

The following shows the low battery indicator.



If this indicator appears when you switch the cash register on, it can mean one of three things:

- No memory backup batteries are loaded in the cash register.
- The power of the batteries loaded in the unit is below a certain level.
- The batteries loaded in the unit are dead.

To clear this sign, press key.

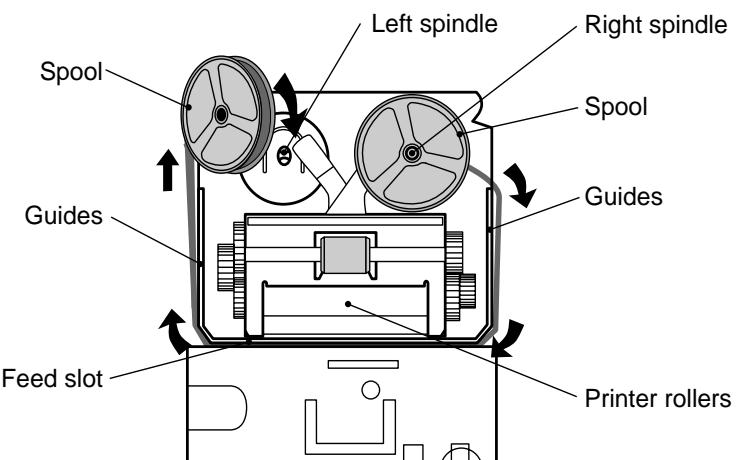
Important!

Whenever the low battery indicator appears on the display, load a set of three new batteries as soon as possible. If there is a power failure or you unplug the cash register when this indicator appears, you will lose all of your sales data and settings.

**BE SURE TO KEEP THE POWER CORD OF THE CASH REGISTER
PLUGGED IN WHENEVER YOU REPLACE THE BATTERIES.**

To replace the ink ribbon

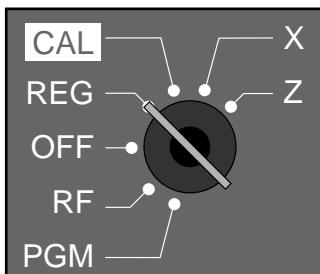
1. Remove the printer cover.
2. Remove the inner cover by grasping its top on the left side and lifting up to the right.
3. Unroll about 10 centimeters of ribbon and place the take-up spool on the left shaft.
4. Insert the ribbon into the ribbon feed slot between the printer rollers. Loop the ribbon around the outside guard brackets as in the illustration.
5. Move the ribbon clip to the left. While holding the clip open, place the feed spool on the right shaft and take up any slack in the ribbon.



Important!

Use only the RAP-01 ribbon (purple). Other types of ink ribbons can damage the printer. Never try to extend the life of an ink ribbon by replenishing the ink. Once an ink ribbon is in place, press the **#
NS** key to test for correct operation.

To replace journal paper



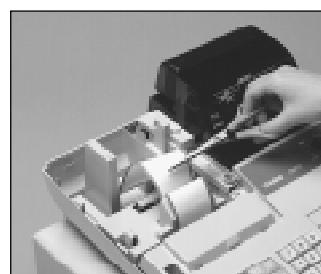
1

Set the Mode Switch to the REG position and remove the printer cover.



2

Press the **FEED** to feed about 20 cm of paper.



7

Cut the journal paper as shown in the photograph.



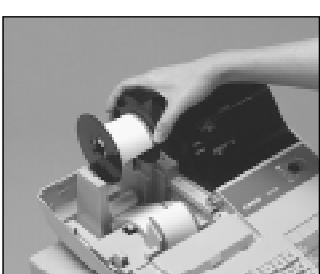
3

Cut the journal paper at the point where nothing is printed.



8

Press the **FEED** to feed the remaining paper from the printer.



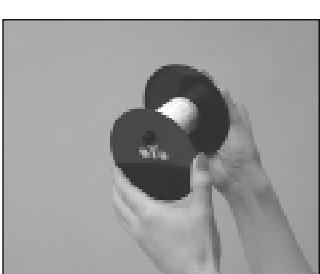
4

Remove the journal take-up reel from its holder.



9

Do not pull the paper out of the printer by hand. It can damage the printer.



5

Remove the flat plate from the side of the take-up reel.



10

Remove the old paper roll from the cash register.



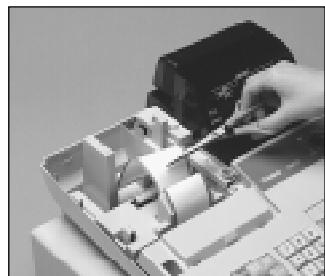
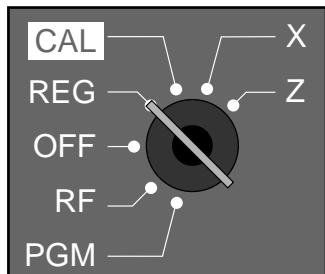
6

Slide the printed journal from the take-up reel.

11

Load new paper as described on page 10 of this manual.

To replace receipt paper



2

Cut the receipt paper as shown in the photograph.



3

Press **FEED** to feed the remaining paper from the printer.

1

Set the Mode Switch to the REG position and remove the printer cover.



4

Do not pull the paper out of the printer by hand. It can damage the printer.



5

Remove the old paper roll from the cash register.

6

Load new paper as described on page 9 of this manual.

Options

WT-73 Wetproof Cover

The optional wetproof cover protects the keyboard from moisture damage.

Specifications

INPUT METHOD

Entry: 10-key system; Buffer memory 8 keys (2-key roll over)
 Department: Full key system

DISPLAY (LED)

Amount 8 digits (Zero suppression); Department No.; PLU No.;
 No. of repeats; TOTAL; CHANGE; X mode; Z mode; Receipt On/Off

PRINTER

Printer: Single sheet impact printer (Receipt or journal printing)
 12 digits (Amount 10 digits/Symbol 2 digits)
 Journal: Automatic take up roll winding
 Print speed: 3.2 lines/sec.
 Feed speed: 3.2 lines/sec.
 Paper roll: 58 mm x 80 mm Ø (Max.)
 2-ply paper roll 58 mm x 80 mm Ø (Max.)
 CASIO CP-5880

CALCULATIONS

Entry 8 digits; Registration 7 digits; Total 8 digits

CHRONOLOGICAL DATA

Date print: Automatic date printout on receipt or journal
 Automatic calendar
 Time print: Automatic time printout on receipt or journal
 Time display: 24-hour system

ALARM

Entry confirmation signal; Error alarm

TOTALIZERS

Category	No. of Totalizers	Contents				Periodic Totalizers
		Amount (8 digits)	No. of items (4 digits)	Count (4 digits)	No. of customers (4 digits)	
Department	40 (U.S.) 10 (Canada)	<input type="radio"/>	<input type="radio"/> (4 digits integer/ 2 digits decimal)			<input type="radio"/>
PLU	400 (U.S.) 300 (Canada)	<input type="radio"/>	<input type="radio"/> (4 digits integer/ 2 digits decimal)			
Hourly sales	24	<input type="radio"/>				<input type="radio"/>
Clerk*	10	<input type="radio"/>				<input type="radio"/>
Transaction	25	<input type="radio"/> or <input type="radio"/>	<input type="radio"/> or <input type="radio"/>	<input type="radio"/> or <input type="radio"/>		<input type="radio"/>
Non resettable grand sales total	1	<input type="radio"/> 14 digits				
Reset counter	4			<input type="radio"/> <input type="radio"/>		<input type="radio"/>
Consecutive No.	1				<input type="radio"/> 4 digits	

* Available only when the clerk control function is active on the cash register.

Memory protection batteries

The effective service life of the memory protection batteries (three new SUM-3 or UM-3 type batteries) is approximately one year from installation into the machine.

Power supply/ Power consumption

As noted on the plate affixed to right side of register.

Operating temperature

32°F-104°F(0°C-40°C)

Humidity

10 - 90%

Dimensions and Weight

10_{19/32}"(H)x13_{11/16}"(W)x15_{9/32}"(D)/14lbs 6oz.
 284mm (H)x400mm (W)x468mm (D)/10.5kg

with small size drawer (U.S.)
 with medium size drawer (Canada)

* Specifications and design are subject to change without notice.

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LIMITED WARRANTY: ELECTRONIC CASH REGISTERS

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